Arithmetic practice sheets- Year 6

Column addition- Questions 1, 19 and 31	Adding fractions (mixed numbers)- Question 33
Column subtraction- Questions 2, 18 and 32	Subtracting fractions (mixed numbers)- Question 16
Order of operations- Question 24	Adding fractions- Question 33
Percentages- Questions 23 and 27	Subtracting fractions- Question 16
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Divide by 10, 100 and 1000- Question 7	Multiplying fractions by whole numbers- Question 22
Use long division- Question 14 and 15	Find fractions of whole numbers- Question 30
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Multiply by 10, 100 and 1000- Question 29	Missing number questions (addition symbol)- Question 3
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Use short division- Question 11	Missing number questions (multiplication symbol)- Question 36
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Square numbers- Question 8	Using multiplication facts- Question 5
Subtracting decimal number from whole number Question 20	

Use column addition

3 4, 4 5 3 + 4, 5 2 7

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7

1) Align digits in the correct place value columns.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

TTH TH, H T O
4, 4 5 3 +
4, 5 2 7
0
1

Carry the 1 to the next column

TTH TH, H T O
4, 4 5 3 +
4, 5 2 7
8 0
1

Include the 1 in your next addition

TTH TH, H T O
4, 4 5 3 +
4, 5 2 7
3 8 9 8 0
1

Questions 1, 19 and 31 (sheet 1)

1) 40,354 + 67,667

2) 416,834 + 125,479

3) 9,773,113 + 8,359,696

4) 54,490 + 24,684

5) 636,454 + 384,677

6) 5,622,226 + 7,068,705

7) 33,484 + 14,664

8) 904,106 + 633,390

Use column addition

3 4, 4 5 3 + 4, 5 2 7

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7

1) Align digits in the correct place value columns.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
0

1

Carry the 1 to the next column

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
8 0

1

Include the 1 in your next addition

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
3 8 9 8 0

1

Questions 1, 19 and 31 (sheet 2)

1) 8,899,612 + 5,818,451

2) 92,572 + 39,504

3) 578,700 + 984,997

4) 5,044,486 + 7,741,903

5) 47,536 + 13, 023

6) 436,376 + 599,893

7) 5,089,500 + 1,315,771

8) 93,670 + 70,400

Use column addition

3 4, 4 5 3 + 4, 5 2 7

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7

1) Align digits in the correct place value columns.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
0
1

Carry the 1 to the next column

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
8 0
1

Include the 1 in your next addition

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
3 8 9 8 0
1

Questions 1, 19 and 31 (sheet 3)

1) 91,454 + 79,931

2) 459,294 + 830,411

3) 6,890,428 + 1,801,558

4) 90,843 + 97,655

5) 738,535 + 347,254

6) 1,876,304 + 4,640,033

7) 72,474 + 72,588

8) 20,276,341 + 242,108

Use column addition

3 4, 4 5 3 + 4, 5 2 7

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7

1) Align digits in the correct place value columns.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
0

1

Carry the 1 to the next column

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
8 0

1

Include the 1 in your next addition

TTH TH, H T O

4, 4 5 3 +
4, 5 2 7
3 8 9 8 0

1

Questions 1, 19 and 31 (sheet 4)

1) 6,130,100 + 7,953,669

2) 76,742 + 71,817

3) 488,290 + 173,624

4) 6,241,067 + 6, 912,765

5) 41,473 + 59,778

6) 981,250 + 596,244

7) 4,726,648 + 7,706,140

8) 20,036 + 82,062

Use column addition- Questions 1, 19 and 31 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 108,021	1) 14,718,063	1) 171,385	1) 14,083,769
2) 542,313	2) 132,076	2) 1,289,705	2) 148,559
3) 18,132,809	3) 1,563,697	3) 8,610,986	3) 661,914
4) 79,174	4) 12,786,389	4) 188,498	4) 13,153,832
5) 1,021,131	5) 60,559	5) 1,085,789	5) 101,251
6) 12,690,931	6) 1,036,269	6) 6,516,337	6) 1,577,494
7) 48,148	7) 6,405,271	7) 145,062	7) 12,432,788
8) 1,537,496	8) 164,070	8) 518,449	8) 102,098

Use column subtraction

34,653 - 4,527

TTH TH, H T O

1) Align digits in the correct place value columns.

	3	4,	6	5	3 -
		4,	5	2	7

3) Starting from the right, subtract each column in turn.

4 1

3 4, 6 5 3 -

4, 5 2 7

6

3 subtract 7 would give us a negative number, so we regroup

Exchange one lot of 10, so we now have 13—7.

4 1

3 4, 6 5 3 -

4, 5 2 7

3 0 1 2 6

Questions 2, 18 and 32(sheet 1)

1) 578,748- 284,073

2) 676,425 – 328,229

3) 807,725 + 394,804

4) 700, 249 – 600, 682

5) 717,227 – 126, 675

6) 939,259 – 791,566

7) 752,218 – 118,341

8) 740,451 – 567,597

Use column subtraction

3 4, 6 5 3 - 4, 5 2 7

TTH TH, H T O

3 4, 6 5 3 -

4, 5 2 7

1) Align digits in the correct place value columns.

3) Starting from the right, subtract each column in turn.

4 1

3 4, 6 5 3 -

4, 5 2 7

6

3 subtract 7 would give us a negative number, so we regroup

4 1

3 4, 6 5 3 -

4, 5 2 7

3 0 1 2 6

Exchange one lot of 10, so we now have 13—7.

Questions 2, 18 and 32 (sheet 2)

1) 726,028 – 385,748

2) 503,862 – 133,860

3) 390,814 - 301,362

4) 860,108 – 131,122

5) 710,112 – 119,717

6) 230,041 – 130,274

7) 483,737 – 425,241

8) 976,695 – 423,662

Use column subtraction

34,653 - 4,527

TTH TH, H T O

1) Align digits in the correct place value columns.

	3	4,	6	5	3 -
		4,	5	2	7

3) Starting from the right, subtract each column in turn.

			4		1
	3	4,	6	5	3 -
		4,	5	2	7
					6

3 subtract 7 would give us a negative number, so we regroup

Exchange one lot of 10, so we now have 13—7.

			4		1
	3	4,	6	5	3 -
		4,	5	2	7
3	0	1	2		6

Questions 2, 18 and 32 (sheet 3)

1) 916,152 – 374,676

2) 698,156 – 658,793

3) 218,010 – 161,028

4) 576,202 – 359,392

5) 968,317 – 498,191

6) 334,059 – 203,509

7) 822,014 – 414,905

8) 683,763 – 232,310

Use column subtraction

3 4, 6 5 3 - 4, 5 2 7

TTH TH, H T O

3 4, 6 5 3 -

4, 5 2 7

1) Align digits in the correct place value columns.

3) Starting from the right, subtract each column in turn.

3 4, 6 5 3 -

4, 5 2 7

6

3 subtract 7 would give us a negative number, so we regroup

3 4, 6 5 3 -

4, 5 2 7

6

Exchange one lot of 10, so we now have 13—7.

3 4, 6 5 3 -

4, 5 2 7

3 0 1 2 6

Questions 2, 18 and 32 (sheet 4)

1) 802,842 – 149,051

2) 507,533 – 193,355

3) 920,739 – 193,355

4) 536,404 - 409,868

5) 656,505 – 592,801

6) 551,138 – 549,352

7) 358,029 – 167,248

8) 597,206 – 310,899

Use column subtraction- Questions 2, 18 and 32 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 294,675	1) 840,280	1) 541,476	1) 653,791
2) 348,196	2) 370,002	2) 39,363	2) 314,178
3) 412,921	3) 89,452	3) 56,982	3) 16,322
4) 99,567	4) 728,986	4) 216,810	4) 126,536
5) 590,552	5) 590,395	5) 470,126	5) 63,704
6) 147,693	6) 99,767	6) 130,550	6) 1,786
7) 633,877	7) 58,496	7) 407,109	7) 190,781
8) 172,854	8) 553,033	8) 451,453	8) 286,307

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Use the order of operations

B rackets
O rder (square/ cubes)
D ivision **M**ultiplication
A ddition **S**ubtraction

$3^3 - 3 \times (3 + 2)$

$3^3 - 3 \times 5$

$2\ 7 - 3 \times 5$

$2\ 7 - 1\ 5$

$2\ 7 - 1\ 5 = 1\ 2$

1) Complete any calculations in brackets.

2) Complete any square or cube number calculations

3) Complete any multiplication or division (going from left to right)

4) Complete any addition or subtraction (going from left to right)

Question 24 (sheet 1)

1) $6 + 4 \times 2$

2) $4 + 4 \div 2$

3) $8 + 6 - 3$

4) $5 + 5 \times 4$

5) $12 + 3 \times 2$

6) $2 \times 4 + 5$

7) $100 - (20 \times 3)$

8) $(35 - 15) + (27 - 7)$

Use the order of operations

B rackets
O rder (square/ cubes)
D ivision M ultiplication
A ddition S ubtraction

$3^3 - 3 \times (3 + 2)$

$3^3 - 3 \times 5$

1) Complete any calculations in brackets.

$2\ 7 - 3 \times 5$

2) Complete any square or cube number calculations

$2\ 7 - 1\ 5$

3) Complete any multiplication or division (going from left to right)

$2\ 7 - 1\ 5 = 1\ 2$

4) Complete any addition or subtraction (going from left to right)

Question 24 (sheet 2)

1) $15 + (6 \times 6)$

2) $(4 + 5) \times (3 + 6)$

3) $(5 + 5) \times (5 - 2)$

4) $50 - (6 \times 6)$

5) $(4 + 8) \times (3 - 2)$

6) $(9 - 3) + (6 \times 6)$

7) $(5 \times 7) - (2 \times 5)$

8) $56 - (4 \times 7)$

Use the order of operations

B rackets
O rder (square/ cubes)
D ivision M ultiplication
A ddition S ubtraction

$3^3 - 3 \times (3 + 2)$

$3^3 - 3 \times 5$

1) Complete any calculations in brackets.

2 7 - 3 x 5

2) Complete any square or cube number calculations

2 7 - 1 5

3) Complete any multiplication or division (going from left to right)

2 7 - 1 5 = 1 2

4) Complete any addition or subtraction (going from left to right)

Question 24 (sheet 3)

1) 78 – (10 x 7)

2) (7 x 7) + (4 x 8)

3) (45 – 23) + (5 x 8)

4) 38 – (5 x 7)

5) (100 – 45) + (7 x 7)

6) 45 – (9 x 4)

7) (4 x 2) + (3 x 3)

8) (6 x 6) – (4 x 4)

Use the order of operations

B rackets
O rder (square/ cubes)
D ivision **M**ultiplication
A ddition **S**ubtraction

$3^3 - 3 \times (3 + 2)$

$3^3 - 3 \times 5$

$2\ 7 - 3 \times 5$

$2\ 7 - 1\ 5$

$2\ 7 - 1\ 5 = 1\ 2$

1) Complete any calculations in brackets.

2) Complete any square or cube number calculations

3) Complete any multiplication or division (going from left to right)

4) Complete any addition or subtraction (going from left to right)

Question 24 (sheet 4)

1) $18 - (4 \times 2)$

2) $18 - (9 \times 4) + 32$

3) $30 - (5 \times 4)$

4) $(8 + 6) \times 4$

5) $(4 \times 9) - (4 \times 8)$

6) $72 - (8 \times 7) + 9$

7) $(4 \times 4) + (5 \times 5)$

8) $(9 \times 9) - (8 \times 8)$

Use the order of operations- Question 24 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 14	1) 51	1) 8	1) 10
2) 6	2) 81	2) 81	2) 14
3) 11	3) 30	3) 62	3) 10
4) 25	4) 14	4) 3	4) 56
5) 18	5) 12	5) 104	5) 4
6) 13	6) 42	6) 9	6) 25
7) 40	7) 25	7) 17	7) 41
8) 40	8) 28	8) 20	8) 17

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Calculate percentages

Remember: 'per cent' means 'out of 100'

50% = divide by 2
25% = divide by 4
75% = divide by 4, then multiply by 3
10% = divide by 10
5% = divide by 10, then divide by 2
1% = divide by 100

For all other multiples of 10%, divide by 10 to find 10%, then multiply by the first digit.

30% = divide by 10, then multiply by 3
40% = divide by 10, then multiply by 4
70%= divide by 10, then multiply by 7

For all other percentages, divide by 100 to find 1%, then multiply by the percentage.

35% = divide by 100, then multiply by 35
48% = divide by 100, then multiply by 48
79%= divide by 100, then multiply by 79

Questions 23 and 27 (sheet 1)

1) 50% of 300

2) 5% of 20

3) 2% of 150

4) 80% of 40

5) 75% of 132

6) 45% of 800

7) 23% of 250

8) 30% of 620

Calculate percentages

Remember: 'per cent' means 'out of 100'

50% = divide by 2
25% = divide by 4
75% = divide by 4, then multiply by 3
10% = divide by 10
5% = divide by 10, then divide by 2
1% = divide by 100

For all other multiples of 10%, divide by 10 to find 10%, then multiply by the first digit.

30% = divide by 10, then multiply by 3
40% = divide by 10, then multiply by 4
70%= divide by 10, then multiply by 7

For all other percentages, divide by 100 to find 1%, then multiply by the percentage.

35% = divide by 100, then multiply by 35
48% = divide by 100, then multiply by 48
79%= divide by 100, then multiply by 79

Questions 23 and 27 (sheet 2)

1) 25% of 52

2) 15% of 320

3) 7% of 150

4) 90% of 160

5) 50% of 724

6) 85% of 240

7) 41% of 900

8) 70% of 20

Calculate percentages

Remember: 'per cent' means 'out of 100'

50% = divide by 2
25% = divide by 4
75% = divide by 4, then multiply by 3
10% = divide by 10
5% = divide by 10, then divide by 2
1% = divide by 100

For all other multiples of 10%, divide by 10 to find 10%, then multiply by the first digit.

30% = divide by 10, then multiply by 3
40% = divide by 10, then multiply by 4
70%= divide by 10, then multiply by 7

For all other percentages, divide by 100 to find 1%, then multiply by the percentage.

35% = divide by 100, then multiply by 35
48% = divide by 100, then multiply by 48
79%= divide by 100, then multiply by 79

Questions 23 and 27 (sheet 3)

1) 25% of 244

2) 25% of 244

3) 95% of 190

4) 68% of 700

5) 40% of 190

6) 75% of 220

7) 85% of 640

8) 76% of 450

Calculate percentages

Remember: 'per cent' means 'out of 100'

50% = divide by 2
25% = divide by 4
75% = divide by 4, then multiply by 3
10% = divide by 10
5% = divide by 10, then divide by 2
1% = divide by 100

For all other multiples of 10%, divide by 10 to find 10%, then multiply by the first digit.

30% = divide by 10, then multiply by 3
40% = divide by 10, then multiply by 4
70%= divide by 10, then multiply by 7

For all other percentages, divide by 100 to find 1%, then multiply by the percentage.

35% = divide by 100, then multiply by 35
48% = divide by 100, then multiply by 48
79%= divide by 100, then multiply by 79

Questions 23 and 27 (sheet 4)

1) 75% of 540

2) 35% of 229

3) 4% of 160

4) 60% of 820

5) 50% of 175

6) 15% of 920

7) 57% of 66

8) 72% of 57

Calculate percentages- Question 23 and 27 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 150	1) 13	1) 61	1) 405
2) 1	2) 48	2) 180.5	2) 77
3) 3	3) 10.5	3) 476	3) 6.4
4) 32	4) 144	4) 76	4) 492
5) 99	5) 362	5) 165	5) 87.5
6) 360	6) 204	6) 544	6) 138
7) 57.5	7) 369	7) 342	7) 37.62
8) 186	8) 14	8) 196	8) 41.04

Use column addition (decimals)

3 2 . 7 + 4 . 3 7

T O . t h

3 2 . 7 0

\+ 0 4 . 3 7

1) Align digits and decimal points.

2) Add zeros as placeholders if needed.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

3 2 . 7 0

\+ 0 4 . 3 7

. 7

3 2 . 7 0

\+ 0 4 . 3 7

. 0 7

1

Carry the 1 to the next column

3 2 . 7 0

\+ 0 4 . 3 7

7 . 0 7

1

Include the 1 in your next addition

3 2 . 7 0

\+ 0 4 . 3 7

3 7 . 0 7

1

Question 9 (sheet 1)

1) 28.2 + 93.5

2) 94.6 + 37.2

3) 82.6 + 23.6

4) 48.7 + 39.8

5) 50.9 + 39.4

6) 72.8 + 37.4

7) 382.6 + 126.5

8) 128.2 + 340

Use column addition (decimals)

3 2 . 7 + 4 . 3 7

T O . t h

1) Align digits and decimal points.

3 2 . 7 0
+ 0 4 . 3 7

2) Add zeros as placeholders if needed.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

3 2 . 7 0
+ 0 4 . 3 7
. 7

3 2 . 7 0
+ 0 4 . 3 7
. 0 7
1

Carry the 1 to the next column

3 2 . 7 0
+ 0 4 . 3 7
7 . 0 7
1

Include the 1 in your next addition

3 2 . 7 0
+ 0 4 . 3 7
3 7 . 0 7
1

Question 9 (sheet 2)

1) 385.6 + 297.9

2) 670.7 + 185

3) 139.7 + 382.6

4) 738.2 + 582.5

5) 462.8 + 731.2

6) 838.0 + 542.7

7) 363 + 80.5

8) 68.4 + 29.8 + 55.3

Use column addition (decimals)

3 2 . 7 + 4 . 3 7

T O . t h

1) Align digits and decimal points.

3 2 . 7 0
+ 0 4 . 3 7

2) Add zeros as placeholders if needed.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

3 2 . 7 0
+ 0 4 . 3 7
. 7

3 2 . 7 0
+ 0 4 . 3 7
. 0 7
1

Carry the 1 to the next column

3 2 . 7 0
+ 0 4 . 3 7
7 . 0 7
1

Include the 1 in your next addition

3 2 . 7 0
+ 0 4 . 3 7
3 7 . 0 7
1

Question 9 (sheet 3)

1) 3.44 + 9.3

2) 3.86 + 4.32

3) 2.23 + 2.2

4) 8.84 + 1.19

5) 3.89 + 8.81

6) 4.86 + 3.74

7) 2.77 + 6.87

8) 3.76 + 3.38

Use column addition (decimals)

3 2 . 7 + 4 . 3 7

	T	O	.	t	h
	3	2	.	7	0
+	0	4	.	3	7

1) Align digits and decimal points.

2) Add zeros as placeholders if needed.

3) Starting from the right, add each column in turn. Carry digits to the next column if the total adds to more than 9.

	3	2	.	7	0
+	0	4	.	3	7
			.		7

	3	2	.	7	0
+	0	4	.	3	7
			.	0	7
	1				

Carry the 1 to the next column

	3	2	.	7	0
+	0	4	.	3	7
		7	.	0	7
	1				

Include the 1 in your next addition

	3	2	.	7	0
+	0	4	.	3	7
	3	7	.	0	7
	1				

Question 9 (sheet 4)

1) 0.87 + 0.82

2) 0.28 + 0.4

3) 0.31 + 0.71

4) 0.99 + 0.86

5) 0.29 + 0.08

6) 0.81 + 0.4

7) 0.58 + 0.02

8) 0.41 + 0.17

Use column addition (decimals) - *Question 9 (ANSWERS)*

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 121.7	1) 683.5	1) 12.74	1) 1.69
2) 131.8	2) 855.7	2) 8.18	2) 0.68
3) 106.2	3) 522.3	3) 4.43	3) 1.02
4) 88.5	4) 1320.7	4) 10.03	4) 1.85
5) 90.3	5) 1194	5) 12.7	5) 0.37
6) 110.2	6) 1380.7	6) 8.6	6) 1.21
7) 509.1	7) 443.5	7) 9.64	7) 0.6
8) 468.2	8) 153.5	8) 7.14	8) 0.58

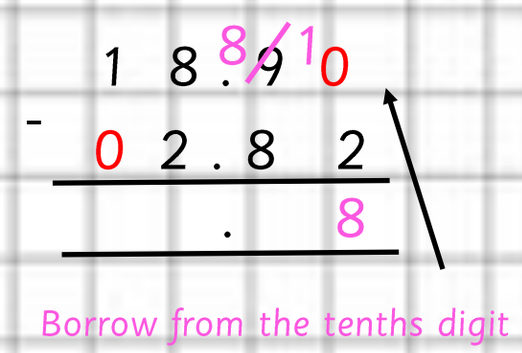
Use column subtraction (decimals)

1 8 . 9 - 2 . 8 2

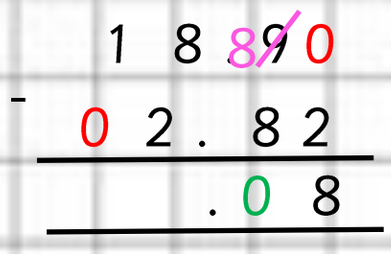
	T	O	.	t	h
	1	8	.	9	0
+	0	2	.	8	2

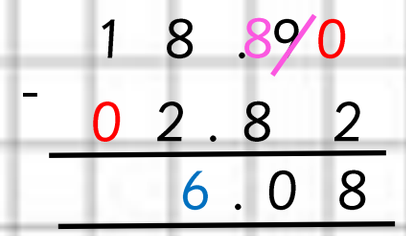
1) Align digits and decimal points.
2) Add zeroes as placeholders if needed.

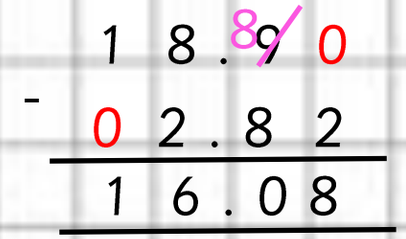
3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, borrow from the next column.



Borrow from the tenths digit







Question 12 (sheet 1)

1) 12.45 – 2.4

2) 6.402 – 4.5

3) 49.4 – 2.302

4) 39.403 – 4.49

5) 3.493 – 2.3

6) 4.303 – 2.34

7) 23.44 – 4.435

8) 9.594 – 3.4

Use column subtraction (decimals)

1 8 . 9 - 2 . 8 2

T O . t h

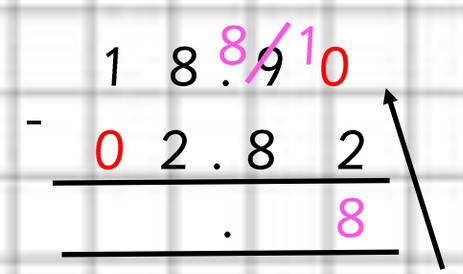
1 8 . 9 0

\+ 0 2 . 8 2

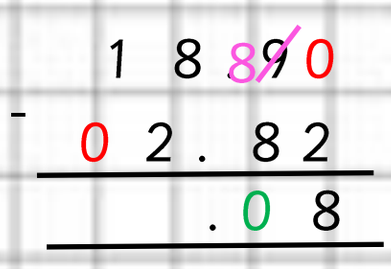
1) Align digits and decimal points.

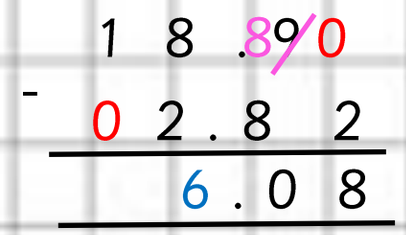
2) Add zeroes as placeholders if needed.

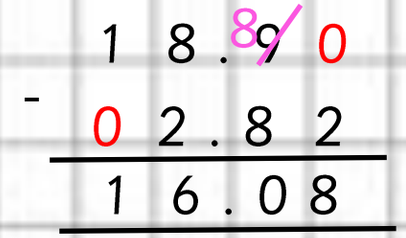
3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, borrow from the next column.



Borrow from the tenths digit







Question 12 (sheet 2)

1) 0.5 – 0.03

2) 5.3 – 0.003

3) 44.32 – 4.5

4) 94.392 – 8.34

5) 7.8 – 5.64

6) 59.43 – 4.532

7) 0.8 – 0.43

8) 3.493 – 0.94

Use column subtraction (decimals)

1 8 . 9 - 2 . 8 2

T	O	.	t	h
	1	8	. 9	0
+	0	2	. 8	2

1) Align digits and decimal points.
2) Add zeroes as placeholders if needed.

3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, borrow from the next column.

1 8 . 8 1 0
- 0 2 . 8 2
. 8

Borrow from the tenths digit

1 8 . 8 9 0
- 0 2 . 8 2
. 0 8

1 8 . 8 9 0
- 0 2 . 8 2
6 . 0 8

1 8 . 8 9 0
- 0 2 . 8 2
1 6 . 0 8

Question 12 (sheet 3)

1) 1.4 – 0.04

2) 94.32 – 4.542

3) 5.3 – 3.21

4) 5.1 – 0.3

5) 2.4 – 0.03

6) 4.56 – 0.332

7) 9.79 – 3.464

8) 4.3 – 4.132

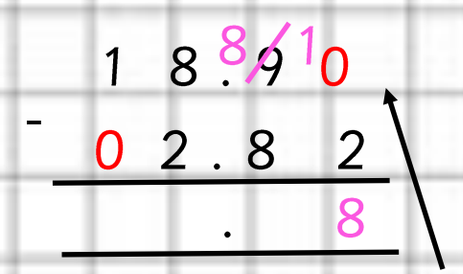
Use column subtraction (decimals)

1 8 . 9 - 2 . 8 2

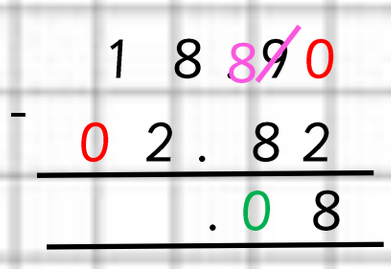
	T	O	.	t	h
	1	8	.	9	0
+	0	2	.	8	2

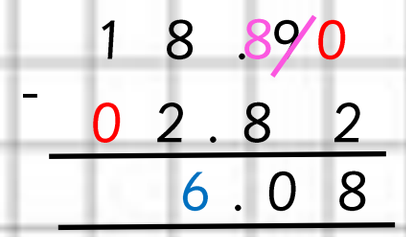
1) Align digits and decimal points.
2) Add zeroes as placeholders if needed.

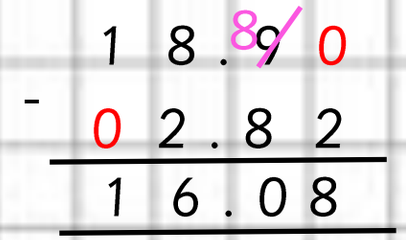
3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, borrow from the next column.



Borrow from the tenths digit







Question 12 (sheet 4)

1) 11.4 – 5.53

2) 5.3 – 0.324

3) 50.43 – 3.54

4) 4.32 – 3.42

5) 4.5 – 3.65

6) 5.43 – 4.764

7) 3.5 – 3.276

8) 4.6. – 3.78

Use column subtraction (decimals) - *Question 12 (ANSWERS)*

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 10.05	1) 0.47	1) 1.36	1) 5.87
2) 1.902	2) 5.297	2) 89.778	2) 4.976
3) 47.098	3) 39.82	3) 2.09	3) 46.89
4) 34.913	4) 86.052	4) 4.8	4) 0.9
5) 1.193	5) 2.16	5) 2.37	5) 0.85
6) 1.963	6) 54.898	6) 4.228	6) 0.666
7) 19.005	7) 0.37	7) 6.326	7) 0.224
8) 6.194	8) 2.553	8) 0.168	8) 0.82

Divide by 10, 100 and 1000

4 5 7 ÷ 1 0

Th H T O . t h th

4 5 7

4 5 . 7

Makes the number 10 times smaller.

Move each digit one place to the right.

4 5 7 ÷ 1 0 0

Th H T O . t h th

4 5 7

4 . 5 7

Makes the number 100 times smaller.

Move each digit two places to the right.

4 5 7 ÷ 1 0 0 0

Th H T O . t h th

4 5 7

0 . 4 5 7

Makes the number 1000 times smaller.

Move each digit three places to the right.

1) Lay out the number

2) Work out the number of places the digits need to move.

3) Move each digit, adding in zeros as placeholders.

Question 7 (sheet 1)

1) 4.3 ÷ 1000

2) 0.9 ÷ 1000

3) 3.1 ÷ 10

4) 4.2 ÷ 10

5) 7.3 ÷ 10

6) 6.7 ÷ 10

7) 4.6 ÷ 100

8) 8.1 ÷ 10

Divide by 10, 100 and 1000

4 5 7 ÷ 1 0

Th H T O . t h th

4 5 7

4 5 . 7

Makes the number 10 times smaller.
Move each digit one place to the right.

4 5 7 ÷ 1 0 0

Th H T O . t h th

4 5 7

4 . 5 7

Makes the number 100 times smaller.
Move each digit two places to the right.

4 5 7 ÷ 1 0 0 0

Th H T O . t h th

4 5 7

0 . 4 5 7

Makes the number 1000 times smaller.
Move each digit three places to the right.

1) Lay out the number

2) Work out the number of places the digits need to move.

3) Move each digit, adding in zeros as placeholders.

Question 7 (sheet 2)

1) 4.3 ÷ 100

2) 2.9 ÷ 1000

3) 6.4 ÷ 100

4) 8.6 ÷ 1000

5) 4.2 ÷ 100

6) 2.6 ÷ 100

7) 3.6 ÷ 100

8) 9.5 ÷ 100

Divide by 10, 100 and 1000

4 5 7 ÷ 1 0

Th H T O . t h th

4 5 7

4 5 . 7

Makes the number 10 times smaller.

Move each digit one place to the right.

4 5 7 ÷ 1 0 0

Th H T O . t h th

4 5 7

4 . 5 7

Makes the number 100 times smaller.

Move each digit two places to the right.

4 5 7 ÷ 1 0 0 0

Th H T O . t h th

4 5 7

0 . 4 5 7

Makes the number 1000 times smaller.

Move each digit three places to the right.

1) Lay out the number

2) Work out the number of places the digits need to move.

3) Move each digit, adding in zeros as placeholders.

Question 7 (sheet 3)

1) 8.9 ÷ 1000

2) 2.9 ÷ 100

3) 1.1 ÷ 100

4) 4.7 ÷ 100

5) 4.0 ÷ 1000

6) 6.4 ÷ 1000

7) 7.5 ÷ 1000

8) 8.7 ÷ 1000

Divide by 10, 100 and 1000

4 5 7 ÷ 1 0

Th H T O . t h th

4 5 7

4 5 . 7

Makes the number 10 times smaller.

Move each digit one place to the right.

4 5 7 ÷ 1 0 0

Th H T O . t h th

4 5 7

4 . 5 7

Makes the number 100 times smaller.

Move each digit two places to the right.

4 5 7 ÷ 1 0 0 0

Th H T O . t h th

4 5 7

0 . 4 5 7

Makes the number 1000 times smaller.

Move each digit three places to the right.

1) Lay out the number

2) Work out the number of places the digits need to move.

3) Move each digit, adding in zeros as placeholders.

Question 7 (sheet 4)

1) 0.8 ÷ 10

2) 6.6 ÷ 1000

3) 2.2 ÷ 1000

4) 4.8 ÷ 100

5) 9.0 ÷ 1000

6) 0.3 ÷ 1000

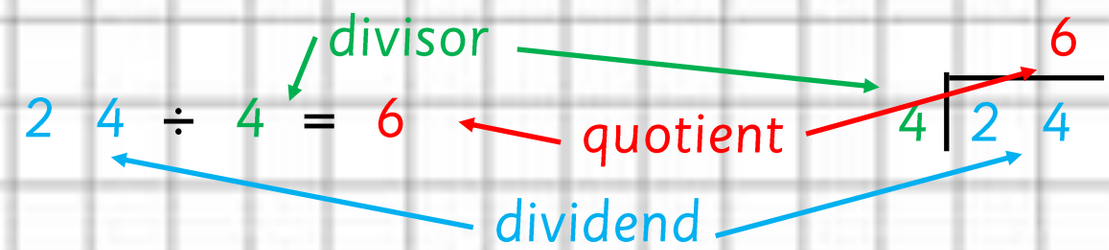
7) 6.3 ÷ 10

8) 1.5 ÷ 1000

Divide by 10, 100 and 1000- *Question 17 (ANSWERS)*

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 0.0043	1) 0.043	1) 0.0089	1) 0.08
2) 0.0009	2) 0.0029	2) 0.029	2) 0.0066
3) 0.31	3) 0.064	3) 0.011	3) 0.0022
4) 0.42	4) 0.0086	4) 0.047	4) 0.048
5) 0.73	5) 0.042	5) 0.04	5) 0.009
6) 0.67	6) 0.026	6) 0.0064	6) 0.0003
7) 0.046	7) 0.036	7) 0.0075	7) 0.63
8) 0.81	8) 0.095	8) 0.0087	8) 0.015

Use long division



1 4 7 2 ÷ 2 3 =

1) Lay out the calculation

2 3 | 1 4 7 2

x 50

1 1 5 0

2) Subtract a "chunk" (a multiple of the dividend)

23 x 50 = 1150

0 3 2 2

x 10

2 3 0

0 9 2

x 4

9 2

0 0

5) Add up how many "chunks" you have subtracted. 50 + 10 + 4

1 4 7 2 ÷ 2 3 = 6 4

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Question 14 and 15 (sheet 1)

1) 364 ÷ 14

2) 357 ÷ 21

3) 627 ÷ 33

4) 625 ÷ 25

5) 510 ÷ 17

6) 816 ÷ 24

7) 588 ÷ 42

8) 324 ÷ 18

Use long division

24 ÷ 4 = 6 — divisor: 4; quotient: 6; dividend: 24

```
    6
4 ⟌ 24
```

1472 ÷ 23 =

1) Lay out the calculation

```
23 ⟌ 1 4 7 2
     1 1 5 0    (x 50)
     -------
     0 3 2 2
       2 3 0    (x 10)
     -------
       0 9 2
         9 2    (x 4)
     -------
         0 0
```

2) Subtract a "chunk" (a multiple of the dividend)

23 x 50 = 1150

5) Add up how many "chunks" you have subtracted. 50 + 10 + 4

1472 ÷ 23 = 64

Question 14 and 15 (sheet 2)

1) 4215 ÷ 15

2) 3168 ÷ 24

3) 1333 ÷ 43

4) 6214 ÷ 26

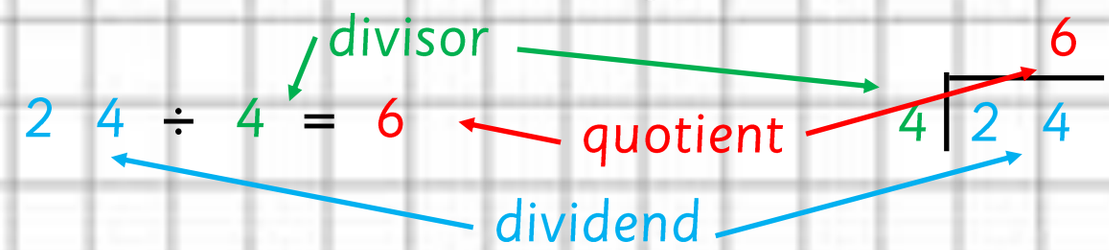
5) 1715 ÷ 35

6) 8218 ÷ 14

7) 2665 ÷ 51

8) 5550 ÷ 37

Use long division



1 4 7 2 ÷ 2 3 =

1) Lay out the calculation

```
2 3 | 1 4 7 2
```

x 50

1 1 5 0

2) Subtract a "chunk" (a multiple of the dividend)
23 x 50 = 1150

0 3 2 2

x 10

2 3 0

0 9 2

x 4

9 2

0 0

5) Add up how many "chunks" you have subtracted. 50 + 10 + 4

1 4 7 2 ÷ 2 3 = 6 4

Question 14 and 15 (sheet 3)

1) 1088 ÷ 68

2) 1152 ÷ 12

3) 2106 ÷ 26

4) 4214 ÷ 86

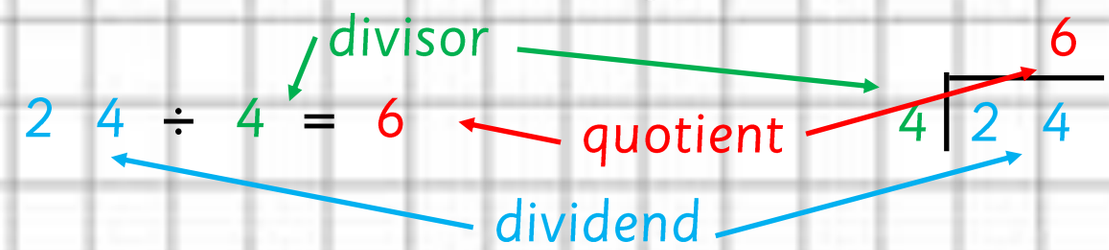
5) 6528 ÷ 96

6) 3.952 ÷ 52

7) 7224 ÷ 24

8) 220 ÷ 20

Use long division



1 4 7 2 ÷ 2 3 =

1) Lay out the calculation

2 3 | 1 4 7 2

x 50

1 1 5 0

2) Subtract a "chunk" (a multiple of the dividend)

23 x 50 = 1150

0 3 2 2

x 10

2 3 0

0 9 2

x 4

9 2

0 0

5) Add up how many "chunks" you have subtracted. 50 + 10 + 4

1 4 7 2 ÷ 2 3 = 6 4

Question 14 and 15 (sheet 4)

1) 966 ÷ 14

2) 3444 ÷ 41

3) 1780 ÷ 20

4) 1425 ÷ 19

5) 975 ÷ 15

6) 1368 ÷ 38

7) 1476 ÷ 36

8) 3082 ÷ 46

Use long division- Questions 14 and 15 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 26	1) 281	1) 16	1) 14
2) 17	2) 132	2) 96	2) 41
3) 19	3) 31	3) 81	3) 20
4) 25	4) 239	4) 49	4) 19
5) 30	5) 49	5) 68	5) 15
6) 34	6) 587	6) 76	6) 38
7) 14	7) 65	7) 301	7) 41
8) 18	8) 150	8) 11	8) 67

Use long multiplication

3 2 x 4 5

1) Multiply the top ones digit by the bottom ones.

x 3 2
4 5

2 x 5 = 10
Carry the one.

1 0

2) Multiply the top tens digit by the bottom ones.

x 3 2
4 5

1 6 1 0

3) Add a zero below the ones digits.

x 3 2
4 5

1 6 1 0
0

This shows that you are multiplying by 40 rather than 4

4) Multiply the top ones digit by the bottom tens.

x 3 2
4 5

4 x 2 = 8

1 6 1 0
8 0

5) Multiply the top tens digit by the bottom tens.

x 3 2
4 5

4 x 3 = 12

1 6 1 0
1 2 8 0

6) Add the two answers together.

x 3 2
4 5

1 6 1 0
1 2 8 0
1 4 4 0

Question 21 and 28 (sheet 1)

1) 1821 x 39

2) 1652 x 28

3) 2342 x 89

4) 1102 x 50

5) 1828 x 30

6) 1882 x 96

7) 2279 x 68

8) 1829 x 88

Use long multiplication

3 2 x 4 5

1) Multiply the top ones digit by the bottom ones.

```
  3 2
x 4 5
-----
  1 0
```

2 x 5 = 10
Carry the one.

2) Multiply the top tens digit by the bottom ones.

```
  3 2
x 4 5
-----
1 6 1 0
```

3) Add a zero below the ones digits.

```
  3 2
x 4 5
-----
1 6 1 0
  0
```

This shows that you are multiplying by 40 rather than 4

4) Multiply the top ones digit by the bottom tens.

```
  3 2
x 4 5
-----
1 6 1 0
  8 0
```

4 x 2 = 8

5) Multiply the top tens digit by the bottom tens.

```
  3 2
x 4 5
-----
  1 6 1 0
1 2 8 0
```

4 x 3 = 12

6) Add the two answers together.

```
  3 2
x 4 5
-----
  1 6 1 0
1 2 8 0
-------
1 4 4 0
```

Question 21 and 28 (sheet 2)

1) 1394 x 98

2) 1124 x 36

3) 1597 x 27

4) 2332 x 41

5) 1124 x 16

6) 1352 x 33

7) 1325 x 31

8) 2007 x 27

Use long multiplication

3 2 x 4 5

1) Multiply the top ones digit by the bottom ones.

x 3 2
4 5

2 x 5 = 10
Carry the one.

1 0

2) Multiply the top tens digit by the bottom ones.

x 3 2
4 5

1 6 1 0

3) Add a zero below the ones digits.

x 3 2
4 5

1 6 1 0
0

This shows that you are multiplying by 40 rather than 4

4) Multiply the top ones digit by the bottom tens.

x 3 2
4 5

4 x 2 = 8

1 6 1 0
8 0

5) Multiply the top tens digit by the bottom tens.

x 3 2
4 5

4 x 3 = 12

1 6 1 0
1 2 8 0

6) Add the two answers together.

x 3 2
4 5

1 6 1 0
1 2 8 0
1 4 4 0

Question 21 and 28 (sheet 3)

1) 1247 x 55

2) 1323 x 65

3) 1212 x 33

4) 1436 x 38

5) 1441 x 25

6) 1749 x 54

7) 1454 x 90

8) 2491 x 78

Use long multiplication

3 2 x 4 5

1) Multiply the top ones digit by the bottom ones.

```
  3 2
x 4 5
-----
  1 0
```

2 x 5 = 10
Carry the one.

2) Multiply the top tens digit by the bottom ones.

```
  3 2
x 4 5
-----
1 6 1 0
```

3) Add a zero below the ones digits.

```
  3 2
x 4 5
-----
1 6 1 0
  0
```

This shows that you are multiplying by 40 rather than 4

4) Multiply the top ones digit by the bottom tens.

```
  3 2
x 4 5
-----
1 6 1 0
  8 0
```

4 x 2 = 8

5) Multiply the top tens digit by the bottom tens.

```
  3 2
x 4 5
-----
  1 6 1 0
1 2 8 0
```

4 x 3 = 12

6) Add the two answers together.

```
  3 2
x 4 5
-----
  1 6 1 0
1 2 8 0
-------
1 4 4 0
```

Question 21 and 28 (sheet 4)

1) 1096 x 77

2) 2366 x 80

3) 2224 x 40

4) 2033 x 33

5) 2448 x 77

6) 2477 x 46

7) 1359 x 53

8) 2035 x 89

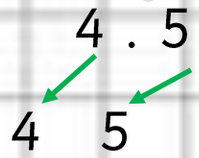
Use long multiplication- Questions 21 and 28 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 71,019	1) 136,612	1) 68,585	1) 84,392
2) 46,256	2) 40,464	2) 85,995	2) 189,280
3) 208,438	3) 43,119	3) 39,996	3) 88,960
4) 55,100	4) 95,612	4) 54,568	4) 67,089
5) 54,840	5) 17,984	5) 36,025	5) 188,496
6) 180,672	6) 44,616	6) 94,446	6) 113,942
7) 154,972	7) 41,075	7) 130,860	7) 72,027
8) 160,952	8) 54,189	8) 194,298	8) 181,115

Multiply by 10, 100 and 1000

4 . 5 x 1 0

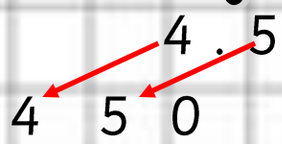
Th H T O . t h th



Makes the number 10 times bigger.
Move each digit one place to the left.

4 . 5 x 1 0 0

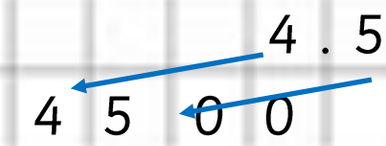
Th H T O . t h th



Makes the number 100 times bigger.
Move each digit two places to the left.

4 . 5 x 1 0 0 0

Th H T O . t h th



Makes the number 1000 times bigger.
Move each digit three places to the left.

1) Lay out the number

2) Work out the number of places the digits need to move.

Question 29 (sheet 1)

1) 23.5 x 100

2) 1.15 x 100

3) 4.97 x 10

4) 69.8 x 100

5) 0.12 x 1000

6) 0.28 x 100

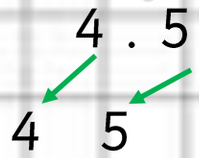
7) 24.4 x 10

8) 5.08 x 100

Multiply by 10, 100 and 1000

4 . 5 x 1 0

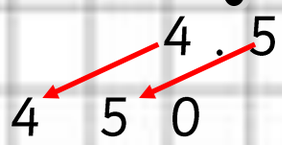
Th H T O . t h th



Makes the number 10 times bigger.
Move each digit one place to the left.

4 . 5 x 1 0 0

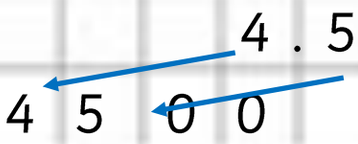
Th H T O . t h th



Makes the number 100 times bigger.
Move each digit two places to the left.

4 . 5 x 1 0 0 0

Th H T O . t h th



Makes the number 1000 times bigger.
Move each digit three places to the left.

1) Lay out the number

2) Work out the number of places the digits need to move.

Question 29 (sheet 2)

1) 85.2 x 10

2) 59.2 x 10

3) 74.8 x 10

4) 0.13 x 10

5) 6 x 10

6) 9.05 x 100

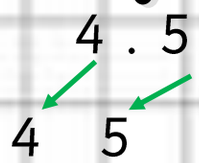
7) 4.7 x 1000

8) 0.81 x 100

Multiply by 10, 100 and 1000

4 . 5 x 1 0

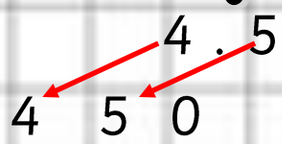
Th H T O . t h th



Makes the number 10 times bigger.
Move each digit one place to the left.

4 . 5 x 1 0 0

Th H T O . t h th



Makes the number 100 times bigger.
Move each digit two places to the left.

4 . 5 x 1 0 0 0

Th H T O . t h th

Makes the number 1000 times bigger.
Move each digit three places to the left.

1) Lay out the number

2) Work out the number of places the digits need to move.

Question 29 (sheet 3)

1) 84 x 10

2) 5.05 x 10

3) 8.1 x 1000

4) 9.32 x 10

5) 24.3 x 100

6) 55.3 x 100

7) 96 x 10

8) 6.76 x 100

Multiply by 10, 100 and 1000

4 . 5 x 1 0

Th H T O . t h th

4 . 5

4 5

Makes the number 10 times bigger.
Move each digit one place to the left.

4 . 5 x 1 0 0

Th H T O . t h th

4 . 5

4 5 0

Makes the number 100 times bigger.
Move each digit two places to the left.

4 . 5 x 1 0 0 0

Th H T O . t h th

4 . 5

4 5 0 0

Makes the number 1000 times bigger.
Move each digit three places to the left.

1) Lay out the number

2) Work out the number of places the digits need to move.

Question 29 (sheet 4)

1) 0.24 x 100

2) 3.26 x 100

3) 54.3 x 10

4) 5.14 x 100

5) 6.45 x 100

6) 82.9 x 100

7) 79 x 10

8) 0.2 x 1000

Multiply by 10, 100 and 1000- Question 29 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 2350	1) 852	1) 840	1) 24
2) 115	2) 592	2) 50.5	2) 326
3) 49.7	3) 748	3) 8100	3) 543
4) 6980	4) 1.3	4) 93.2	4) 514
5) 120	5) 60	5) 2430	5) 645
6) 28	6) 905	6) 5530	6) 8290
7) 244	7) 4700	7) 960	7) 790
8) 508	8) 81	8) 676	8) 200

Multiplying decimals

8 .5 3 x 6

x 8 5 3
6
8
1

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

x 8 5 3
6
1 8
3 1

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

x 8 5 3
6
5 1 1 8
3 1

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

8 5 3 x 6 = 5 1 1 8

8 . 5 3 x 6 = 5 1 .1 8

2) Work out the number of places the digits need to move.

Question 17 (sheet 1)

1) 7.3 x 5

2) 2.7 x 4

3) 5.3 x 8

4) 9.1 x 3

5) 12.3 x 4

6) 2.5 x 7

7) 3.1 x 5

8) 6.8 x 4

Multiplying decimals

8 .5 3 x 6

x 8 5 3
6

8

1

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

x 8 5 3
6

1 8

3 1

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

x 8 5 3
6

5 1 1 8

3 1

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

8 5 3 x 6 = 5 1 1 8

8 . 5 3 x 6 = 5 1 .1 8

2) Work out the number of places the digits need to move.

Question 17 (sheet 2)

1) 34.23 x 7

2) 74.83 x 3

3) 83.92 x 4

4) 84.72 x 8

5) 54.48 x 5

6) 47.32 x 7

7) 57.83 x 6

8) 27.47 x 9

Multiplying decimals

8 .5 3 x 6

x 8 5 3
6
8
1

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

x 8 5 3
6
1 8
3 1

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

x 8 5 3
6
5 1 1 8
3 1

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

8 5 3 x 6 = 5 1 1 8

8 . 5 3 x 6 = 5 1 .1 8

2) Work out the number of places the digits need to move.

Question 17 (sheet 3)

1) 64.23 x 1.7

2) 3.83 x 3.3

3) 83.2 x 4.2

4) 4.12 x 18

5) 74.48 x 5.3

6) 47.2 x 7.6

7) 7.93 x 6.1

8) 17.2 x 1.9

Multiplying decimals

8 .5 3 x 6

x 8 5 3
6

8

1

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

x 8 5 3
6

1 8

3 1

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

x 8 5 3
6

5 1 1 8

3 1

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

8 5 3 x 6 = 5 1 1 8

8 . 5 3 x 6 = 5 1 .1 8

2) Work out the number of places the digits need to move.

Question 17 (sheet 4)

1) 33.4 x 2.3

2) 45.2 x 3.1

3) 3.4 x 4.6

4) 23.45 x 2.3

5) 89.3 x 3.3

6) 24.2 x 6.7

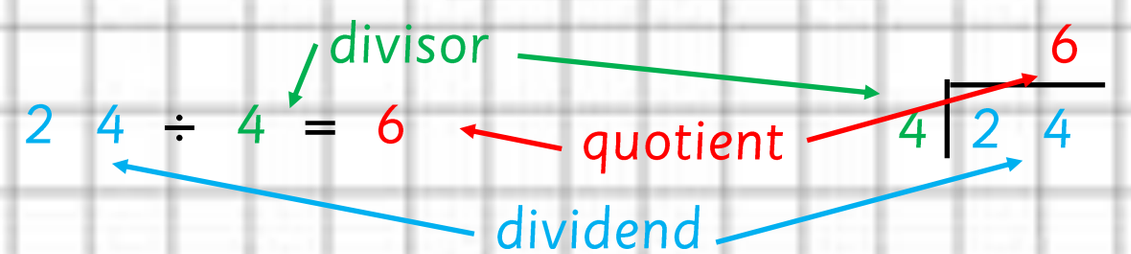
7) 34.2 x 4.5

8) 1.21 x 1.2

Multiplying decimals- Question 17 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 7.3 x 5= 36.5	1) 34.23 x 7= 239.61	1) 64.23 x 1.7= 109.191	1) 33.4 x 2.3= 76.82
2) 2.7 x 4= 10.8	2) 74.83 x 3= 224.49	2) 3.83 x 3.3= 12.639	2) 45.2 x 3.1= 140.12
3) 5.3 x 8= 42.4	3) 83.92 x 4= 335.68	3) 83.2 x 4.2= 349.44	3) 3.4 x 4.6= 15.64
4) 9.1 x 3= 27.3	4) 84.72 x 8= 677.76	4) 4.12 x 18= 74.16	4) 23.45 x 2.3= 53.935
5) 12.3 x 4= 49.2	5) 54.48 x 5= 272.4	5) 74.48 x 5.3= 394.744	5) 89.3 x 3.3= 294.69
6) 2.5 x 7= 17.5	6) 47.32 x 7= 331.24	6) 47.2 x 7.6= 361.552	6) 24.2 x 6.7= 162.14
7) 3.1 x 5= 15.5	7) 57.83 x 6= 346.98	7) 7.93 x 6.1= 48.373	7) 34.2 x 4.5= 153.9
8) 6.8 x 4= 27.2	8) 27.47 x 9 = 220.23	8) 17.2 x 1.9= 32.68	8) 1.21 x 1.2= 1.452

Use short division



6 2 5 ÷ 4 =

$$\begin{array}{r} 1\ 5\ 6 \\ 4\overline{)\,6_{2}\,2_{2}\,5} \end{array}$$

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

$$\begin{array}{r} 1\ 5\ 6\ r\ 1 \\ 4\overline{)\,6_{2}\,2_{2}\,5} \end{array}$$

2) When you reach the last digit, if there is a remainder, add a 'r' and the number that is left over.

You can check by doing short multiplication.

1 5 6 x 4 = 6 2 4 ✓

Add the remainder= 6 2 5

Question 11 (sheet 1)

1) 1256 ÷ 8

2) 7263 ÷ 9

3) 1520 ÷ 4

4) 2090 ÷ 5

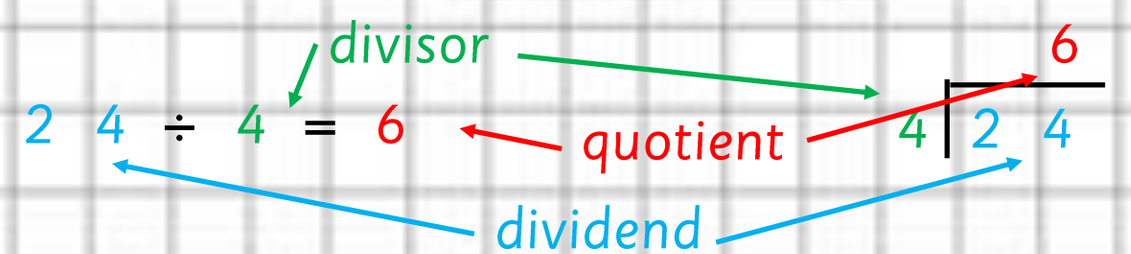
5) 3654 ÷ 6

6) 1040 ÷ 8

7) 4620 ÷ 7

8) 1590 ÷ 3

Use short division



6 2 5 ÷ 4 =

$$\begin{array}{r} 1\ 5\ 6 \\ 4\overline{)\,6_{2}\,2_{2}\,5} \end{array}$$

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

$$\begin{array}{r} 1\ 5\ 6\ r\ 1 \\ 4\overline{)\,6_{2}\,2_{2}\,5} \end{array}$$

2) When you reach the last digit, if there is a remainder, add a 'r' and the number that is left over.

You can check by doing short multiplication.

1 5 6 x 4 = 6 2 4 ✓

Add the remainder= 6 2 5

Question 11 (sheet 2)

1) 5744 ÷ 8

2) 3944 ÷ 4

3) 1106 ÷ 2

4) 867 ÷ 3

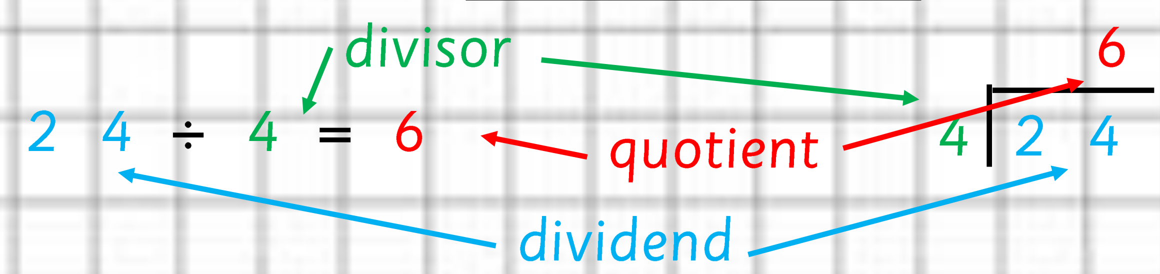
5) 4905 ÷ 5

6) 2961 ÷ 9

7) 7830 ÷ 9

8) 3148 ÷ 4

Use short division



6 2 5 ÷ 4 =

$$\begin{array}{r|l} & 1\ \ 5\ \ 6 \\ \hline 4 & 6\ {}_{2}2\ {}_{2}5 \end{array}$$

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

$$\begin{array}{r|l} & 1\ \ 5\ \ 6\ \ r\ 1 \\ \hline 4 & 6\ {}_{2}2\ {}_{2}5 \end{array}$$

2) When you reach the last digit, if there is a remainder, add a 'r' and the number that is left over.

You can check by doing short multiplication.

1 5 6 x 4 = 6 2 4 ✓

Add the remainder= 6 2 5

Question 11 (sheet 3)

1) 366 ÷ 2

2) 2478 ÷ 6

3) 4795 ÷ 7

4) 1170 ÷ 2

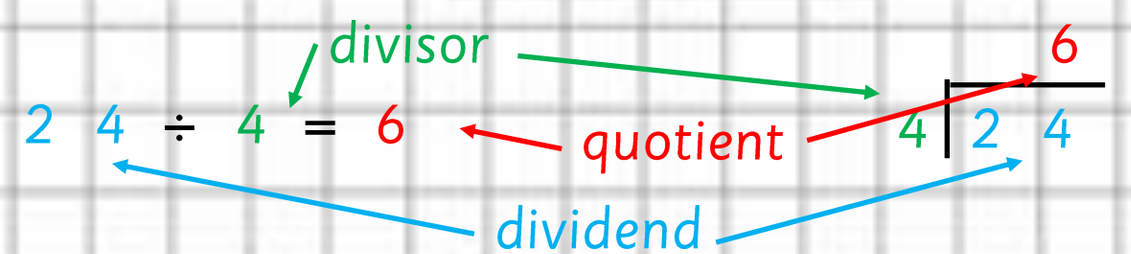
5) 1939 ÷ 7

6) 2601 ÷ 3

7) 4332 ÷ 6

8) 4815 ÷ 5

Use short division



6 2 5 ÷ 4 =

1 5 6
4 | 6 2 5
(2, 2)

1) Starting from the left, see how many times the divisor will go into each digit of the dividend

1 5 6 r 1
4 | 6 2 5
(2, 2)

2) When you reach the last digit, if there is a remainder, add a 'r' and the number that is left over.

You can check by doing short multiplication.

1 5 6 x 4 = 6 2 4 ✓

Add the remainder= 6 2 5

Question 11 (sheet 4)

1) 1356 ÷ 4

2) 7533 ÷ 9

3) 4128 ÷ 6

4) 6356 ÷ 7

5) 2864 ÷ 8

6) 1050 ÷ 2

7) 633 ÷ 3

8) 668 ÷ 2

Short division- Question 11 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 157	1) 718	1) 183	1) 339
2) 807	2) 986	2) 413	2) 837
3) 380	3) 553	3) 685	3) 688
4) 418	4) 289	4) 585	4) 908
5) 609	5) 981	5) 277	5) 358
6) 130	6) 329	6) 867	6) 525
7) 660	7) 870	7) 722	7) 211
8) 530	8) 787	8) 983	8) 334

Use short multiplication (decimals)

8 5 3 x 6

x 8 5 3
6
8
1

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

x 8 5 3
6
1 8
3 1

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

x 8 5 3
6
5 1 1 8
3 1

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

8 5 3 x 6 = 5 1 1 8

Question 10 (sheet 1)

1) 3984 x 2

2) 4269 x 4

3) 1438 x 4

4) 3901 x 4

5) 2803 x 4

6) 3646 x 4

7) 4061 x 3

8) 1780 x 2

Use short multiplication (decimals)

8 5 3 x 6

x 8 5 3
6
8
1

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

x 8 5 3
6
1 8
3 1

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

x 8 5 3
6
5 1 1 8
3 1

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

8 5 3 x 6 = 5 1 1 8

Question 10 (sheet 2)

1) 1685 x 4

2) 3152 x 2

3) 1391 x 2

4) 3171 x 3

5) 2809 x 2

6) 2147 x 4

7) 3727 x 2

8) 1360 x 2

Use short multiplication (decimals)

8 5 3 x 6

$$\begin{array}{r} 8\ 5\ 3 \\ \times\quad\ 6 \\ \hline 8 \\ \hline 1 \end{array}$$

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

$$\begin{array}{r} 8\ 5\ 3 \\ \times\quad\ 6 \\ \hline 1\ 8 \\ \hline 3\ \ 1 \end{array}$$

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

$$\begin{array}{r} 8\ 5\ 3 \\ \times\quad\ 6 \\ \hline 5\ 1\ 1\ 8 \\ \hline 3\ \ 1 \end{array}$$

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

8 5 3 x 6 = 5 1 1 8

Question 10 (sheet 3)

1) 5386 x 4

2) 5148 x 4

3) 2407 x 6

4) 2375 x 5

5) 1500 x 3

6) 8715 x 5

7) 3595 x 2

8) 3168 x 4

Use short multiplication)

8 5 3 x 6

x 8 5 3
6
8
1

1) Multiply the top ones digit by the multiplier. Carry the extra digit if needed.

x 8 5 3
6
1 8
3 1

2) Multiply the top tens digit by the multiplier. Add any carried digits. Carry the extra digit if needed.

x 8 5 3
6
5 1 1 8
3 1

3) Multiply the top hundreds digit by the multiplier. Add any carried digits.

8 5 3 x 6 = 5 1 1 8

Question 10 (sheet 4)

1) 8308 x 3

2) 8973 x 5

3) 1702 x 2

4) 5889 x 4

5) 9929 x 4

6) 1735 x 3

7) 4472 x 3

8) 2753 x 2

Short multiplication- Question 10 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 7,968	1) 6,740	1) 21,544	1) 24,924
2) 17,076	2) 6,304	2) 20,592	2) 44,865
3) 5,752	3) 2,782	3) 14,442	3) 3,404
4) 15,604	4) 9,513	4) 11,875	4) 23,556
5) 11,212	5) 5,618	5) 4,500	5) 39,716
6) 14,584	6) 8,588	6) 43,575	6) 5,205
7) 12,183	7) 7,454	7) 7,190	7) 13,416
8) 3,560	8) 2,720	8) 12,672	8) 5,506

Square numbers

A square number is the product of multiplying a number by itself.

$1^2 = 1 \times 1 = 1$
$2^2 = 2 \times 2 = 4$
$3^2 = 3 \times 3 = 9$
$4^2 = 4 \times 4 = 16$
$5^2 = 5 \times 5 = 25$
$6^2 = 6 \times 6 = 36$
$7^2 = 7 \times 7 = 49$
$8^2 = 8 \times 8 = 64$
$9^2 = 9 \times 9 = 81$
$10^2 = 10 \times 10 = 100$
$11^2 = 11 \times 11 = 121$
$12^2 = 12 \times 12 = 144$

Cube numbers

A cube number is the product of multiplying a number by itself, then by itself again.

$1^3 = 1 \times 1 \times 1 = 1$
$2^3 = 2 \times 2 \times 2 = 8$
$3^3 = 3 \times 3 \times 3 = 27$
$4^3 = 4 \times 4 \times 4 = 64$
$5^3 = 5 \times 5 \times 5 = 125$
$6^3 = 6 \times 6 \times 6 = 216$
$7^3 = 7 \times 7 \times 7 = 343$
$8^3 = 8 \times 8 \times 8 = 512$
$9^3 = 9 \times 9 \times 9 = 729$
$10^3 = 10 \times 10 \times 10 = 1000$
$11^3 = 11 \times 11 \times 11 = 1331$
$12^3 = 12 \times 12 \times 12 = 1728$

Question 8 (sheet 1)

1) $2^3 + 6^2$

2) $7^3 + 2^2$

3) $3^2 + 7^3$

4) $11^2 + 10^2$

5) $3^3 + 9^2$

6) $10^2 + 2^3$

7) $5^2 + 5^3$

8) $8^2 + 3^3$

Square numbers

A square number is the product of multiplying a number by itself.

$1^2 = 1 \times 1 = 1$
$2^2 = 2 \times 2 = 4$
$3^2 = 3 \times 3 = 9$
$4^2 = 4 \times 4 = 16$
$5^2 = 5 \times 5 = 25$
$6^2 = 6 \times 6 = 36$
$7^2 = 7 \times 7 = 49$
$8^2 = 8 \times 8 = 64$
$9^2 = 9 \times 9 = 81$
$10^2 = 10 \times 10 = 100$
$11^2 = 11 \times 11 = 121$
$12^2 = 12 \times 12 = 144$

Cube numbers

A cube number is the product of multiplying a number by itself, then by itself again.

$1^3 = 1 \times 1 \times 1 = 1$
$2^3 = 2 \times 2 \times 2 = 8$
$3^3 = 3 \times 3 \times 3 = 27$
$4^3 = 4 \times 4 \times 4 = 64$
$5^3 = 5 \times 5 \times 5 = 125$
$6^3 = 6 \times 6 \times 6 = 216$
$7^3 = 7 \times 7 \times 7 = 343$
$8^3 = 8 \times 8 \times 8 = 512$
$9^3 = 9 \times 9 \times 9 = 729$
$10^3 = 10 \times 10 \times 10 = 1000$
$11^3 = 11 \times 11 \times 11 = 1331$
$12^3 = 12 \times 12 \times 12 = 1728$

Question 8 (sheet 2)

1) $1^3 + 6^2$

2) $7^3 + 3^2$

3) $2^2 + 4^3$

4) $5^2 + 10^2$

5) $4^3 + 5^2$

6) $9^2 + 2^3$

7) $3^2 + 5^3$

8) $8^2 + 3^3$

Square numbers

A square number is the product of multiplying a number by itself.

$1^2 = 1 \times 1 = 1$
$2^2 = 2 \times 2 = 4$
$3^2 = 3 \times 3 = 9$
$4^2 = 4 \times 4 = 16$
$5^2 = 5 \times 5 = 25$
$6^2 = 6 \times 6 = 36$
$7^2 = 7 \times 7 = 49$
$8^2 = 8 \times 8 = 64$
$9^2 = 9 \times 9 = 81$
$10^2 = 10 \times 10 = 100$
$11^2 = 11 \times 11 = 121$
$12^2 = 12 \times 12 = 144$

Cube numbers

A cube number is the product of multiplying a number by itself, then by itself again.

$1^3 = 1 \times 1 \times 1 = 1$
$2^3 = 2 \times 2 \times 2 = 8$
$3^3 = 3 \times 3 \times 3 = 27$
$4^3 = 4 \times 4 \times 4 = 64$
$5^3 = 5 \times 5 \times 5 = 125$
$6^3 = 6 \times 6 \times 6 = 216$
$7^3 = 7 \times 7 \times 7 = 343$
$8^3 = 8 \times 8 \times 8 = 512$
$9^3 = 9 \times 9 \times 9 = 729$
$10^3 = 10 \times 10 \times 10 = 1000$
$11^3 = 11 \times 11 \times 11 = 1331$
$12^3 = 12 \times 12 \times 12 = 1728$

Question 8 (sheet 3)

1) $1^3 + 7^2$

2) $3^3 + 2^2$

3) $5^2 + 4^3$

4) $3^2 + 9^2$

5) $4^3 + 2^2$

6) $6^2 + 3^3$

7) $3^2 + 5^3$

8) $8^2 + 1^3$

Square numbers

A square number is the product of multiplying a number by itself.

$1^2 = 1 \times 1 = 1$
$2^2 = 2 \times 2 = 4$
$3^2 = 3 \times 3 = 9$
$4^2 = 4 \times 4 = 16$
$5^2 = 5 \times 5 = 25$
$6^2 = 6 \times 6 = 36$
$7^2 = 7 \times 7 = 49$
$8^2 = 8 \times 8 = 64$
$9^2 = 9 \times 9 = 81$
$10^2 = 10 \times 10 = 100$
$11^2 = 11 \times 11 = 121$
$12^2 = 12 \times 12 = 144$

Cube numbers

A cube number is the product of multiplying a number by itself, then by itself again.

$1^3 = 1 \times 1 \times 1 = 1$
$2^3 = 2 \times 2 \times 2 = 8$
$3^3 = 3 \times 3 \times 3 = 27$
$4^3 = 4 \times 4 \times 4 = 64$
$5^3 = 5 \times 5 \times 5 = 125$
$6^3 = 6 \times 6 \times 6 = 216$
$7^3 = 7 \times 7 \times 7 = 343$
$8^3 = 8 \times 8 \times 8 = 512$
$9^3 = 9 \times 9 \times 9 = 729$
$10^3 = 10 \times 10 \times 10 = 1000$
$11^3 = 11 \times 11 \times 11 = 1331$
$12^3 = 12 \times 12 \times 12 = 1728$

Question 8 (sheet 4)

1) $2^3 + 7^2$

2) $4^3 + 2^2$

3) $3^2 + 4^3$

4) $1^2 + 9^2$

5) $2^3 + 2^2$

6) $5^2 + 3^3$

7) $2^2 + 5^3$

8) $1^2 + 3^3$

Square and cube numbers- Question 8 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 44	1) 37	1) 50	1) 76
2) 347	2) 352	2) 31	2) 70
3) 352	3) 68	3) 89	3) 73
4) 221	4) 125	4) 90	4) 82
5) 108	5) 89	5) 70	5) 12
6) 108	6) 89	6) 63	6) 52
7) 150	7) 134	7) 134	7) 129
8) 91	8) 128	8) 65	8) 28

Subtracting decimal from whole

18 - 2.8

T	O	.	t	h
1	8	.	0	
+ 0	2	.	8	

1) Align digits and decimal points.

2) Add zeros as placeholders if needed.

3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, exchange from the next column.

$$\begin{array}{r} 1\ 8\overset{7}{\cancel{8}}.\overset{1}{0} \\ -\ 0\ 2\ .\ 8 \\ \hline .\ 2 \end{array}$$

Exchange from the ones digit

$$\begin{array}{r} 1\ 8\overset{7}{\cancel{8}}.\overset{1}{0} \\ -\ 0\ 2\ .\ 8 \\ \hline 5\ .\ 2 \end{array}$$

$$\begin{array}{r} 1\ 8\overset{7}{\cancel{8}}.\overset{1}{0} \\ -\ 0\ 2\ .\ 8 \\ \hline 1\ 5\ .\ 2 \end{array}$$

Question 20 (sheet 1)

1) 4- 0.13

2) 16- 0.13

3) 3- 0.012

4) 14 - 0.019

5) 17-0.04

6) 2 – 0.6

7) 15 – 0.16

8) 17 – 0.6

Subtracting decimal from whole

18 - 2.8

1) Align digits and decimal points.

2) Add zeros as placeholders if needed.

T	O	.	t	h
1	8	.	0	
0	2	.	8	

3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, exchange from the next column.

	T	O	.	t
	1	~~8~~ 7	.	¹0
-	0	2	.	8
			.	2

Exchange from the ones digit

	T	O	.	t
	1	~~8~~ 7	.	¹0
-	0	2	.	8
		5	.	2

	T	O	.	t
	1	~~8~~ 7	.	¹0
-	0	2	.	8
	1	5	.	2

Question 20 (sheet 2)

1) 20- 0.09

2) 18 – 0.11

3) 11.82

4) 17 – 0.03

5) 15 – 0.004

6) 3 – 0.019

7) 19- 0.17

8) 10- 0.005

Subtracting decimal from whole

1 8 - 2 . 8

T O . t h

1) Align digits and decimal points.

1 8 . 0

\+ 0 2 . 8

2) Add zeros as placeholders if needed.

3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, exchange from the next column.

1 ~~8~~ ⁷ . ¹0

\- 0 2 . 8

. 2

Exchange from the ones digit

1 ~~8~~ ⁷ . ¹0

\- 0 2 . 8

5 . 2

1 ~~8~~ ⁷ . ¹0

\- 0 2 . 8

1 5 . 2

Question 20 (sheet 3)

1) 18 – 0.8

2) 8 – 0.07

3) 12 – 1.3

4) 15- 1.3

5) 4 - 0.004

6) 2 – 1.1

7) 15 – 0.008

8) 17 – 0.019

Subtracting decimal from whole

$$18 - 2.8$$

1) Align digits and decimal points.

2) Add zeros as placeholders if needed.

T	O	.	t	h
1	8	.	0	
+ 0	2	.	8	

3) Starting from the right, subtract each column in turn. If the top digit is smaller than the bottom, exchange from the next column.

1	$\not{8}^{7}$	.	$^{1}0$	
- 0	2	.	8	
		.	2	

Exchange from the ones digit

1	$\not{8}^{7}$	.	$^{1}0$	
- 0	2	.	8	
	5	.	2	

1	$\not{8}^{7}$	.	$^{1}0$	
- 0	2	.	8	
1	5	.	2	

Question 20 (sheet 4)

1) 5 – 1.5

2) 16 – 0.003

3) 11- 0.019

4) 12 – 0.05

5) 5 – 0.07

6) 18 – 0.2

7) 17 – 0.19

8) 5 – 0.013

Subtracting decimal from whole- Question 20 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 3.87	1) 19.91	1) 17.2	1) 3.5
2) 15.87	2) 17.89	2) 7.93	2) 15.997
3) 2.988	3) 11.82	3) 10.7	3) 10.981
4) 13.981	4) 16.97	4) 13.7	4) 11.95
5) 16.96	5) 14.996	5) 3.996	5) 4.93
6) 1.4	6) 2.981	6) 0.9	6) 17.8
7) 14.84	7) 18.83	7) 14.992	7) 16.81
8) 16.4	8) 9.995	8) 16.981	8) 4.987

Add fractions (mixed numbers)

$$1\frac{3}{4} + 1\frac{3}{8}$$

1) Add the two whole numbers together.

$$1 + 1 = 2$$

2) Convert both fractions to have the same denominator.

$$\frac{3}{4} \xrightarrow{\times 2} + \frac{3}{8}$$

3) Add the numerators together.

$$\frac{6}{8} + \frac{3}{8} = \frac{9}{8}$$

4) Change any improper fractions back to mixed numbers.

$$\frac{9}{8} = 1\frac{1}{8}$$

5) Add together your two answers.

$$2 + 1\frac{1}{8} = 3\frac{1}{8}$$

Question 33 (sheet 1)

1) $4\frac{1}{2} + 6\frac{1}{4}$

2) $4\frac{1}{2} + 5\frac{2}{3}$

3) $3\frac{1}{5} + 7\frac{2}{3}$

4) $3\frac{2}{4} + 5\frac{8}{10}$

5) $1\frac{2}{3} + 8\frac{1}{2}$

6) $5\frac{1}{4} + 8\frac{2}{3}$

7) $4\frac{3}{4} + 5\frac{5}{10}$

8) $3\frac{1}{2} + 4\frac{1}{3}$

Add fractions (mixed numbers)

$$1\frac{3}{4} + 1\frac{3}{8}$$

1) Add the two whole numbers together.

$$1 + 1 = 2$$

2) Convert both fractions to have the same denominator.

$$\frac{3}{4} \xrightarrow{x2} + \frac{3}{8}$$

3) Add the numerators together.

$$\frac{6}{8} + \frac{3}{8} = \frac{9}{8}$$

4) Change any improper fractions back to mixed numbers.

$$\frac{9}{8} = 1\frac{1}{8}$$

5) Add together your two answers.

$$2 + 1\frac{1}{8} = 3\frac{1}{8}$$

Question 33 (sheet 2)

1) $2\frac{1}{2} + 4\frac{1}{3}$

2) $1\frac{4}{5} + 5\frac{2}{3}$

3) $5\frac{2}{5} + 5\frac{2}{3}$

4) $3\frac{1}{10} + 8\frac{1}{4}$

5) $1\frac{3}{5} + 8\frac{3}{4}$

6) $5\frac{5}{10} + 9\frac{1}{2}$

7) $6\frac{1}{2} + 9\frac{1}{3}$

8) $1\frac{2}{3} + 8\frac{1}{2}$

Add fractions (mixed numbers)

$$1\frac{3}{4} + 1\frac{3}{8}$$

1) Add the two whole numbers together.

$$1 + 1 = 2$$

2) Convert both fractions to have the same denominator.

$$\frac{3}{4} \xrightarrow{x2} + \frac{3}{8}$$

3) Add the numerators together.

$$\frac{6}{8} + \frac{3}{8} = \frac{9}{8}$$

4) Change any improper fractions back to mixed numbers.

$$\frac{9}{8} = 1\frac{1}{8}$$

5) Add together your two answers.

$$2 + 1\frac{1}{8} = 3\frac{1}{8}$$

Question 33 (sheet 3)

1) $6\frac{4}{5} + 8\frac{3}{4}$

2) $1\frac{1}{2} + 9\frac{4}{5}$

3) $6\frac{3}{10} + 8\frac{1}{2}$

4) $5\frac{7}{10} + 9\frac{3}{4}$

5) $2\frac{1}{5} + 9\frac{3}{4}$

6) $4\frac{1}{3} + 6\frac{8}{10}$

7) $6\frac{2}{4} + 9\frac{8}{10}$

8) $2\frac{3}{4} + 5\frac{1}{10}$

Add fractions (mixed numbers)

$$1\frac{3}{4} + 1\frac{3}{8}$$

1) Add the two whole numbers together.

$$1 + 1 = 2$$

2) Convert both fractions to have the same denominator.

$$\frac{3}{4} \xrightarrow{\times 2} \quad \frac{3}{8} \xrightarrow{\times 2}$$

3) Add the numerators together.

$$\frac{6}{8} + \frac{3}{8} = \frac{9}{8}$$

4) Change any improper fractions back to mixed numbers.

$$\frac{9}{8} = 1\frac{1}{8}$$

5) Add together your two answers.

$$2 + 1\frac{1}{8} = 3\frac{1}{8}$$

Question 33 (sheet 4)

1) $4\frac{2}{10} + 6\frac{3}{5}$

2) $5\frac{7}{10} + 9\frac{1}{2}$

3) $6\frac{1}{4} + 4\frac{6}{10}$

4) $1\frac{2}{4} + 8\frac{1}{3}$

5) $1\frac{1}{3} + 6\frac{1}{4}$

6) $3\frac{2}{10} + 5\frac{1}{4}$

7) $1\frac{1}{4} + 8\frac{3}{5}$

8) $3\frac{1}{2} + 5\frac{3}{4}$

Add fractions (mixed numbers)- Question 33 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) $10\frac{3}{4}$	1) $6\frac{5}{6}$	1) $15\frac{11}{20}$	1) $10\frac{4}{5}$
2) $10\frac{1}{6}$	2) $11\frac{2}{15}$	2) $11\frac{3}{10}$	2) $15\frac{1}{5}$
3) $4\frac{1}{2}$	3) $11\frac{1}{5}$	3) $14\frac{4}{5}$	3) $10\frac{17}{20}$
4) $9\frac{3}{10}$	4) $11\frac{7}{20}$	4) $15\frac{9}{20}$	4) $9\frac{5}{6}$
5) $10\frac{1}{6}$	5) $10\frac{7}{20}$	5) $11\frac{19}{20}$	5) $7\frac{7}{12}$
6) $13\frac{11}{12}$	6) 15	6) $11\frac{2}{15}$	6) $8\frac{9}{20}$
7) $10\frac{1}{4}$	7) $15\frac{5}{6}$	7) $16\frac{3}{10}$	7) $9\frac{17}{20}$
8) $7\frac{5}{6}$	8) $10\frac{1}{6}$	8) $7\frac{17}{20}$	8) $9\frac{1}{4}$

Subtracting fractions (mixed numbers)

$$2\frac{3}{4} - 1\frac{1}{8}$$

1) Change any mixed numbers to improper fractions.

$$\frac{1}{4}\ \frac{1}{}\ -\ \frac{9}{8}$$

2) Convert both fractions to have the same denominator.

x2

$$\frac{1}{4}\ \frac{1}{}\ -\ \frac{9}{8}$$

x2

3) Subtract the second numerator from the first.

$$\frac{2}{8}\ \frac{2}{}\ -\ \frac{9}{8} = \frac{1}{8}\ \frac{3}{}$$

4) Change any improper fractions back to mixed numbers.

$$\frac{1}{8}\ \frac{3}{} = 1\frac{5}{8}$$

5) Simplify the answer if you can.

Question 16 (sheet 1)

1) $8\frac{1}{2} - 2\frac{8}{10}$

2) $5\frac{1}{3} - 4\frac{1}{2}$

3) $7\frac{2}{4} - 3\frac{7}{10}$

4) $7\frac{1}{5} - 3\frac{3}{4}$

5) $5\frac{1}{10} - 4\frac{1}{5}$

6) $9\frac{1}{5} - 1\frac{4}{10}$

7) $9\frac{1}{2} - 4\frac{3}{5}$

8) $5\frac{1}{4} - 3\frac{2}{3}$

Subtracting fractions (mixed numbers)

$$2\frac{3}{4} - 1\frac{1}{8}$$

1) Change any mixed numbers to improper fractions.

$$\frac{1}{4}\ \frac{1}{}\ -\ \frac{9}{8}$$

2) Convert both fractions to have the same denominator.

x2

$$\frac{1}{4}\ \frac{1}{}\ -\ \frac{9}{8}$$

x2

3) Subtract the second numerator from the first.

$$\frac{2}{8}\ \frac{2}{}\ -\ \frac{9}{8} = \frac{1}{8}\ \frac{3}{}$$

4) Change any improper fractions back to mixed numbers.

$$\frac{1}{8}\ \frac{3}{} = 1\frac{5}{8}$$

5) Simplify the answer if you can.

Question 16 (sheet 2)

1) $5\frac{1}{10} - 3\frac{1}{2}$

2) $6\frac{2}{10} - 2\frac{1}{2}$

3) $6\frac{1}{4} - 4\frac{3}{5}$

4) $9\frac{2}{3} - 4\frac{3}{4}$

5) $6\frac{1}{4} - 2\frac{2}{3}$

6) $6\frac{1}{4} - 4\frac{1}{2}$

7) $6\frac{1}{5} - 2\frac{2}{4}$

8) $8\frac{1}{3} - 1\frac{3}{4}$

Subtracting fractions (mixed numbers)

$$2\frac{3}{4} - 1\frac{1}{8}$$

1) Change any mixed numbers to improper fractions.

$$\frac{1}{4}\ \frac{1}{}\ -\ \frac{9}{8}$$

2) Convert both fractions to have the same denominator.

$$\frac{1}{4}\ \overset{x2}{\frac{1}{}}\ -\ \frac{9}{8}\ \ \ \ x2$$

3) Subtract the second numerator from the first.

$$\frac{2}{8}\ \frac{2}{}\ -\ \frac{9}{8} = \frac{1}{8}\ \frac{3}{}$$

4) Change any improper fractions back to mixed numbers.

$$\frac{1}{8}\ \frac{3}{} = 1\frac{5}{8}$$

5) Simplify the answer if you can.

Question 16 (sheet 3)

1) $8\frac{1}{3} - 1\frac{4}{5}$

2) $9\frac{1}{5} - 3\frac{3}{10}$

3) $8\frac{1}{3} - 1\frac{3}{5}$

4) $9\frac{1}{3} - 2\frac{1}{2}$

5) $6\frac{1}{2} - 1\frac{8}{10}$

6) $9\frac{1}{3} - 2\frac{7}{10}$

7) $8\frac{1}{3} - 2\frac{4}{5}$

8) $6\frac{2}{5} - 4\frac{8}{10}$

Subtracting fractions (mixed numbers)

$$2\frac{3}{4} - 1\frac{1}{8}$$

1) Change any mixed numbers to improper fractions.

$$\frac{1}{4}\ \frac{1}{}\ -\ \frac{9}{8}$$

2) Convert both fractions to have the same denominator.

$$\frac{1}{4}\ \overset{x2}{\frac{1}{}}\ -\ \frac{9}{8}\ \ \ x2$$

3) Subtract the second numerator from the first.

$$\frac{2}{8}\ \frac{2}{}\ -\ \frac{9}{8} = \frac{1}{8}\ \frac{3}{}$$

4) Change any improper fractions back to mixed numbers.

$$\frac{1}{8}\ \frac{3}{} = 1\frac{5}{8}$$

5) Simplify the answer if you can.

Question 16 (sheet 4)

1) $7\frac{4}{10} - 4\frac{1}{2}$

2) $7\frac{1}{2} - 3\frac{3}{5}$

3) $8\frac{2}{4} - 2\frac{7}{10}$

4) $6\frac{3}{4} - 3\frac{8}{10}$

5) $9\frac{1}{2} - 4\frac{3}{5}$

6) $5\frac{1}{4} - 4\frac{1}{3}$

7) $6\frac{1}{2} - 2\frac{6}{10}$

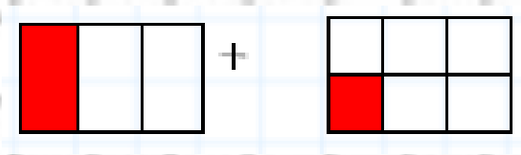
8) $7\frac{1}{2} - 1\frac{2}{3}$

Subtract fractions (mixed numbers) - Question 16 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) $5\frac{7}{10}$	1) $1\frac{3}{5}$	1) $6\frac{8}{15}$	1) $2\frac{9}{10}$
2) $\frac{5}{6}$	2) $3\frac{7}{10}$	2) $5\frac{9}{10}$	2) $3\frac{9}{10}$
3) $3\frac{4}{5}$	3) $1\frac{13}{20}$	3) $6\frac{11}{15}$	3) $5\frac{4}{5}$
4) $3\frac{9}{20}$	4) $4\frac{11}{12}$	4) $6\frac{5}{6}$	4) $2\frac{19}{20}$
5) $\frac{9}{10}$	5) $3\frac{7}{12}$	5) $4\frac{7}{10}$	5) $4\frac{9}{10}$
6) $7\frac{4}{5}$	6) $1\frac{3}{4}$	6) $6\frac{19}{30}$	6) $\frac{11}{12}$
7) $4\frac{9}{10}$	7) $3\frac{7}{10}$	7) $5\frac{8}{15}$	7) $3\frac{9}{10}$
8) $1\frac{7}{12}$	8) $6\frac{7}{12}$	8) $1\frac{3}{5}$	8) $5\frac{5}{6}$

Adding fractions

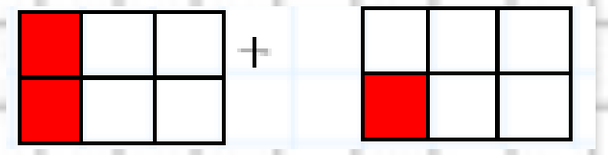
$\frac{1}{3} + \frac{1}{6}$



1) Convert both fractions to have the same denominator.

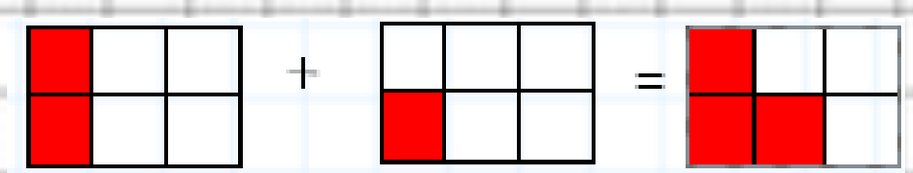
$\frac{1}{3}$ x2 $+ \frac{1}{6}$ x2

$\frac{2}{6} + \frac{1}{6}$



2) Add the numerators, but not the denominators.

$\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$



3) Simplify the answer if you can.

÷ 3

$\frac{3}{6} = \frac{1}{2}$

Question 33 (sheet 1)

1) $\frac{9}{27} + \frac{8}{9}$

2) $\frac{3}{4} + \frac{3}{6}$

3) $\frac{2}{3} + \frac{4}{6}$

4) $\frac{4}{21} + \frac{5}{7}$

5) $\frac{8}{13} + \frac{9}{26}$

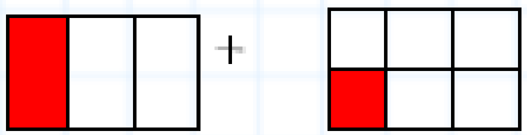
6) $\frac{9}{16} + \frac{2}{4}$

7) $\frac{3}{6} + \frac{3}{18}$

8) $\frac{1}{5} + \frac{5}{20}$

Adding fractions

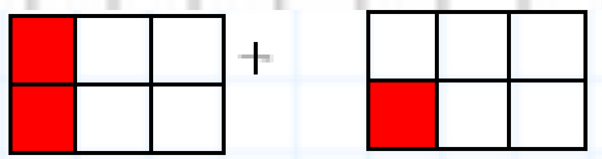
$$\frac{1}{3} + \frac{1}{6}$$



1) Convert both fractions to have the same denominator.

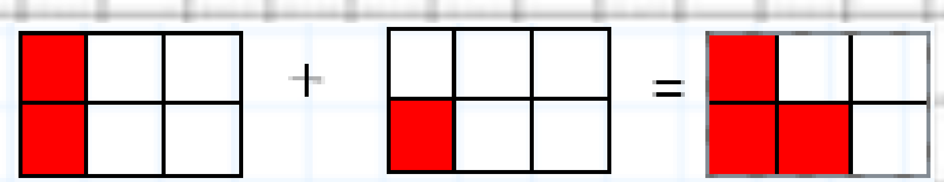
$$\frac{1}{3}\,{}^{\times 2}_{\times 2} + \frac{1}{6}$$

$$\frac{2}{6} + \frac{1}{6}$$



2) Add the numerators, but not the denominators.

$$\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$$



3) Simplify the answer if you can.

$$\frac{3}{6} \overset{\div 3}{=} \frac{1}{2}$$

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Question 33 (sheet 2)

1) $\frac{3}{28} + \frac{5}{7}$

2) $\frac{8}{20} + \frac{1}{4}$

3) $\frac{2}{9} + \frac{2}{6}$

4) $\frac{2}{7} + \frac{9}{14}$

5) $\frac{8}{20} + \frac{2}{5}$

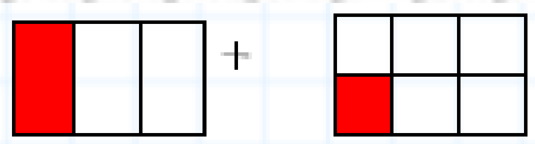
6) $\frac{10}{14} + \frac{6}{7}$

7) $\frac{1}{5} + \frac{3}{10}$

8) $\frac{4}{9} + \frac{9}{27}$

Adding fractions

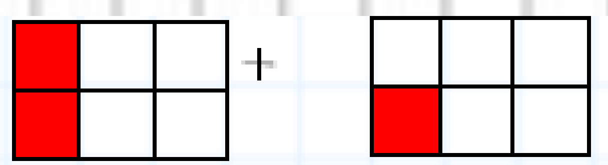
$$\frac{1}{3} + \frac{1}{6}$$



1) Convert both fractions to have the same denominator.

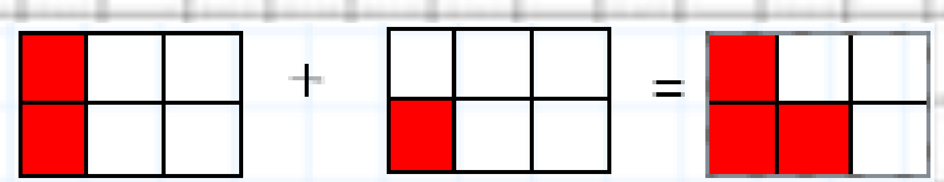
$$\frac{1}{3} \underset{\times 2}{\overset{\times 2}{}} + \frac{1}{6}$$

$$\frac{2}{6} + \frac{1}{6}$$



2) Add the numerators, but not the denominators.

$$\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$$



3) Simplify the answer if you can.

$$\frac{3}{6} \overset{\div 3}{=} \frac{1}{2}$$

Question 33 (sheet 3)

1) $\frac{9}{26} + \frac{2}{13}$

2) $\frac{4}{7} + \frac{1}{4}$

3) $\frac{10}{20} + \frac{8}{10}$

4) $\frac{2}{11} + \frac{11}{22}$

5) $\frac{6}{15} + \frac{3}{30}$

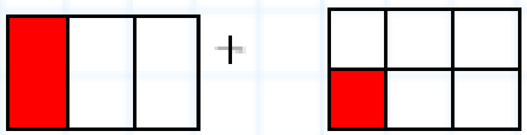
6) $\frac{2}{3} + \frac{10}{12}$

7) $\frac{6}{9} + \frac{7}{27}$

8) $\frac{1}{10} + \frac{1}{3}$

Adding fractions

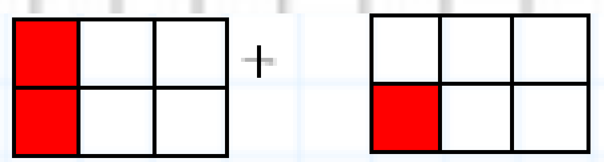
$\frac{1}{3} + \frac{1}{6}$



1) Convert both fractions to have the same denominator.

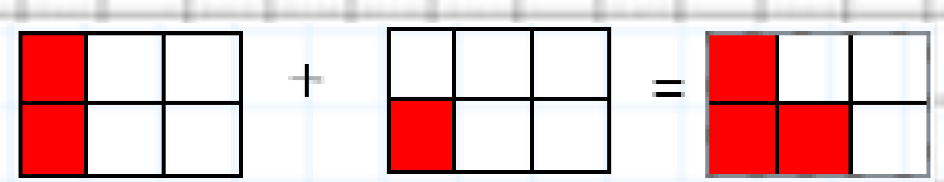
$\frac{1}{3} + \frac{1}{6}$ (x2 on the numerator and x2 on the denominator of $\frac{1}{3}$)

$\frac{2}{6} + \frac{1}{6}$



2) Add the numerators, but not the denominators.

$\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$



3) Simplify the answer if you can.

$\frac{3}{6} = \frac{1}{2}$ (÷ 3)

Question 33 (sheet 4)

1) $\frac{7}{9} + \frac{4}{27}$

2) $\frac{8}{11} + \frac{1}{22}$

3) $\frac{1}{3} + \frac{2}{12}$

4) $\frac{7}{18} + \frac{8}{9}$

5) $\frac{10}{18} + \frac{3}{9}$

6) $\frac{5}{21} + \frac{5}{7}$

7) $\frac{2}{10} + \frac{2}{4}$

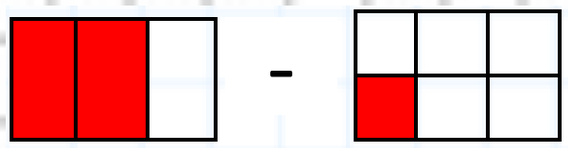
8) $\frac{11}{26} + \frac{8}{13}$

Adding fractions- Question 33 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) $1\frac{2}{9}$	1) $\frac{23}{28}$	1) $\frac{1}{2}$	1) $\frac{25}{27}$
2) $1\frac{1}{4}$	2) $\frac{13}{20}$	2) $\frac{9}{14}$	2) $\frac{17}{22}$
3) $1\frac{1}{3}$	3) $\frac{5}{9}$	3) $1\frac{3}{10}$	3) $\frac{1}{2}$
4) $\frac{19}{21}$	4) $\frac{13}{14}$	4) $\frac{15}{22}$	4) $1\frac{5}{18}$
5) $\frac{25}{26}$	5) $\frac{4}{5}$	5) $\frac{1}{2}$	5) $\frac{8}{9}$
6) $1\frac{1}{16}$	6) $1\frac{4}{7}$	6) $1\frac{1}{2}$	6) $\frac{20}{21}$
7) $\frac{2}{3}$	7) $\frac{1}{2}$	7) $\frac{25}{27}$	7) $\frac{7}{10}$
8) $1\frac{3}{28}$	8) $\frac{7}{9}$	8) $\frac{13}{30}$	8) $1\frac{1}{26}$

Subtracting fractions

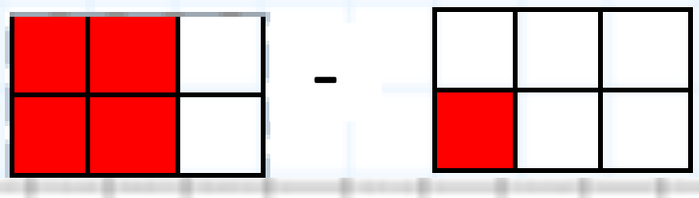
$\frac{2}{3} - \frac{1}{6}$



1) Convert both fractions to have the same denominator.

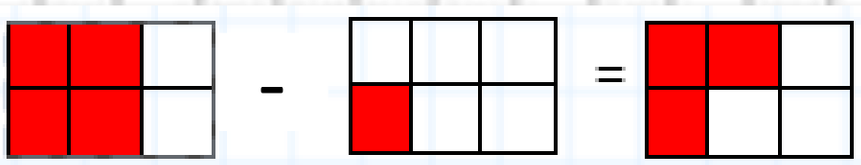
$\frac{2}{3}$ x2 $- \frac{1}{6}$ x2

$\frac{4}{6} - \frac{1}{6}$



2) Subtract the numerators, but not the denominators.

$\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$



÷ 3

$\frac{3}{6} = \frac{1}{2}$

÷ 3

Question 16 (sheet 1)

1) $\frac{8}{10} - \frac{10}{20}$

2) $\frac{7}{11} - \frac{10}{22}$

3) $\frac{5}{6} - \frac{3}{10}$

4) $\frac{4}{5} - \frac{1}{30}$

5) $\frac{9}{21} - \frac{1}{7}$

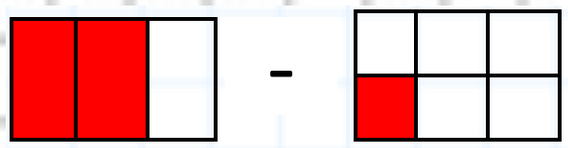
6) $\frac{2}{4} - \frac{4}{16}$

7) $\frac{7}{28} - \frac{2}{14}$

8) $\frac{2}{8} - \frac{1}{16}$

Subtracting fractions

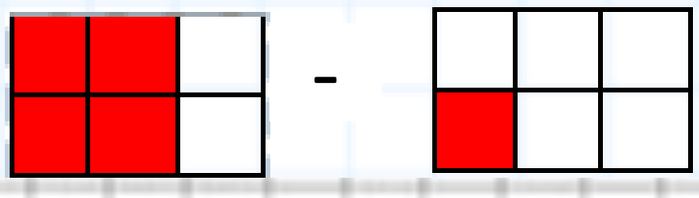
$\frac{2}{3} - \frac{1}{6}$



1) Convert both fractions to have the same denominator.

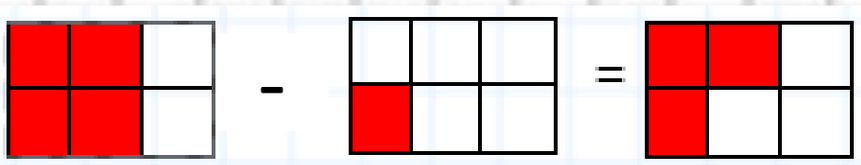
$\frac{2}{3}$ x2 $- \frac{1}{6}$ x2

$\frac{4}{6} - \frac{1}{6}$



2) Subtract the numerators, but not the denominators.

$\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$



÷ 3

$\frac{3}{6} = \frac{1}{2}$

÷ 3

Question 16 (sheet 2)

1) $\frac{10}{27} - \frac{2}{9}$

2) $\frac{8}{9} - \frac{1}{3}$

3) $\frac{1}{4} - \frac{1}{8}$

4) $\frac{5}{6} - \frac{2}{4}$

5) $\frac{5}{11} - \frac{4}{22}$

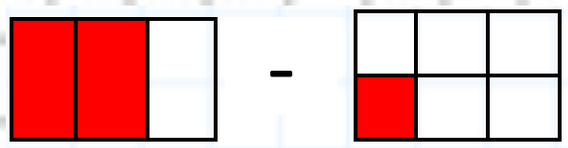
6) $\frac{4}{5} - \frac{2}{4}$

7) $\frac{4}{7} - \frac{3}{14}$

8) $\frac{4}{11} - \frac{2}{22}$

Subtracting fractions

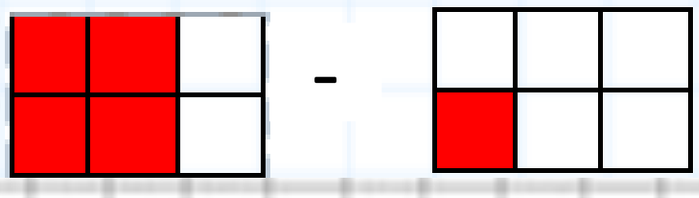
$\frac{2}{3} - \frac{1}{6}$



1) Convert both fractions to have the same denominator.

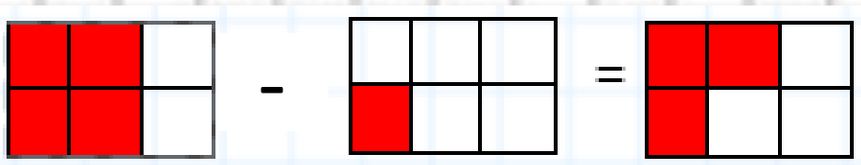
$\frac{2}{3}$ x2 $- \frac{1}{6}$ x2

$\frac{4}{6} - \frac{1}{6}$



2) Subtract the numerators, but not the denominators.

$\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$



÷ 3

$\frac{3}{6} = \frac{1}{2}$

÷ 3

Question 16 (sheet 3)

1) $\frac{8}{11} - \frac{3}{22}$

2) $\frac{9}{11} - \frac{7}{22}$

3) $\frac{7}{9} - \frac{2}{3}$

4) $\frac{7}{28} - \frac{1}{7}$

5) $\frac{10}{14} - \frac{1}{7}$

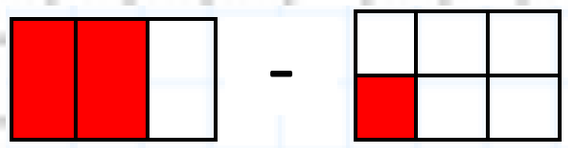
6) $\frac{4}{5} - \frac{2}{4}$

7) $\frac{2}{4} - \frac{1}{3}$

8) $\frac{7}{9} - \frac{12}{27}$

Subtracting fractions

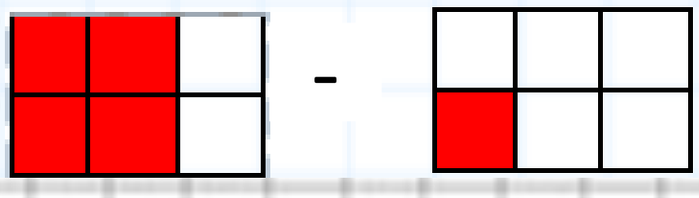
$\frac{2}{3} - \frac{1}{6}$



1) Convert both fractions to have the same denominator.

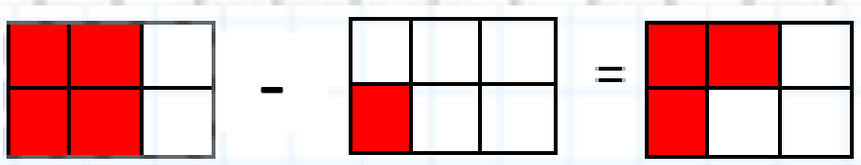
$\frac{2}{3}^{\times 2} - \frac{1}{6}_{\times 2}$

$\frac{4}{6} - \frac{1}{6}$



2) Subtract the numerators, but not the denominators.

$\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$



$\div 3$

$\frac{3}{6} = \frac{1}{2}$

$\div 3$

Question 16 (sheet 4)

1) $\frac{6}{13} - \frac{7}{26}$

2) $\frac{8}{16} - \frac{1}{8}$

3) $\frac{6}{16} - \frac{1}{4}$

4) $\frac{3}{4} - \frac{3}{14}$

5) $\frac{4}{9} - \frac{12}{27}$

6) $\frac{4}{12} - \frac{1}{4}$

7) $\frac{4}{11} - \frac{1}{22}$

8) $\frac{4}{9} - \frac{9}{27}$

Subtracting fractions- Question 16 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) $\frac{3}{10}$	1) $\frac{4}{27}$	1) $\frac{13}{22}$	1) $\frac{5}{26}$
2) $\frac{2}{11}$	2) $\frac{5}{9}$	2) $\frac{1}{2}$	2) $\frac{3}{8}$
3) $\frac{8}{15}$	3) $\frac{5}{9}$	3) $\frac{1}{9}$	3) $\frac{1}{8}$
4) $\frac{23}{30}$	4) $\frac{1}{3}$	4) $\frac{3}{28}$	4) $\frac{15}{28}$
5) $\frac{2}{7}$	5) $\frac{3}{11}$	5) $\frac{4}{7}$	5) 0
6) $\frac{1}{4}$	6) $\frac{3}{10}$	6) $\frac{3}{10}$	6) $\frac{1}{12}$
7) $\frac{3}{28}$	7) $\frac{5}{14}$	7) $\frac{1}{6}$	7) $\frac{7}{22}$
8) $\frac{3}{16}$	8) $\frac{3}{11}$	8) $\frac{1}{3}$	8) $\frac{1}{9}$

Divide fractions by whole numbers

$$5\frac{3}{4} \div 3$$

1) Change any mixed numbers to improper fractions.

$$\frac{2\ 3}{4} \div 3$$

2) Multiply the denominator by the whole number and write the answer as the new denominator.

$$\frac{2\ 3}{4} \div 3$$

3) Change any improper fractions back to mixed numbers.

$$\frac{2\ 3}{1\ 2} = 1\frac{1\ 1}{1\ 2}$$

4) Simplify the answer if you can.

Question 25 (sheet 1)

1) $3\frac{2}{5} \div 5$

2) $1\frac{2}{3} \div 4$

3) $3\frac{1}{6} \div 2$

4) $4\frac{2}{5} \div 7$

5) $2\frac{3}{7} \div 5$

6) $3\frac{2}{9} \div 4$

7) $1\frac{2}{5} \div 3$

8) $3\frac{1}{5} \div 6$

Divide fractions by whole numbers

$$5\frac{3}{4} \div 3$$

1) Change any mixed numbers to improper fractions.

$$\frac{2\ 3}{4} \div 3$$

2) Multiply the denominator by the whole number and write the answer as the new denominator.

$$\frac{2\ 3}{4} \div 3$$

3) Change any improper fractions back to mixed numbers.

$$\frac{2\ 3}{1\ 2} = 1\frac{1\ 1}{1\ 2}$$

4) Simplify the answer if you can.

Question 25 (sheet 2)

1) $2\frac{2}{7} \div 3$

2) $3\frac{1}{3} \div 2$

3) $3\frac{1}{5} \div 6$

4) $1\frac{2}{8} \div 5$

5) $2\frac{3}{7} \div 4$

6) $2\frac{2}{3} \div 6$

7) $5\frac{2}{5} \div 3$

8) $3\frac{1}{5} \div 4$

Divide fractions by whole numbers

$$5\frac{3}{4} \div 3$$

1) Change any mixed numbers to improper fractions.

$$\frac{2\ 3}{4} \div 3$$

2) Multiply the denominator by the whole number and write the answer as the new denominator.

$$\frac{2\ 3}{4} \div 3$$

3) Change any improper fractions back to mixed numbers.

$$\frac{2\ 3}{1\ 2} = 1\frac{1\ 1}{1\ 2}$$

4) Simplify the answer if you can.

Question 25 (sheet 3)

1) $4\frac{2}{7} \div 3$

2) $3\frac{1}{3} \div 3$

3) $4\frac{1}{5} \div 5$

4) $2\frac{1}{8} \div 5$

5) $3\frac{3}{7} \div 7$

6) $1\frac{2}{3} \div 5$

7) $2\frac{1}{5} \div 3$

8) $3\frac{3}{5} \div 2$

Divide fractions by whole numbers

$$5\frac{3}{4} \div 3$$

1) Change any mixed numbers to improper fractions.

$$\frac{2\ 3}{4} \div 3$$

2) Multiply the denominator by the whole number and write the answer as the new denominator.

$$\frac{2\ 3}{4} \div 3$$

3) Change any improper fractions back to mixed numbers.

$$\frac{2\ 3}{1\ 2} = 1\frac{1\ 1}{1\ 2}$$

4) Simplify the answer if you can.

Question 25 (sheet 4)

1) $2\frac{2}{7} \div 5$

2) $6\frac{1}{3} \div 2$

3) $4\frac{2}{5} \div 3$

4) $4\frac{1}{6} \div 3$

5) $3\frac{3}{8} \div 2$

6) $8\frac{2}{3} \div 5$

7) $4\frac{1}{5} \div 3$

8) $6\frac{3}{5} \div 2$

Dividing fractions by whole numbers- Question 25 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) $\frac{17}{25}$	1) $\frac{16}{21}$	1) $\frac{30}{21}$	1) $\frac{16}{35}$
2) $\frac{5}{12}$	2) $\frac{10}{6}$	2) $\frac{10}{9}$	2) $\frac{19}{6}$
3) $\frac{19}{12}$	3) $\frac{16}{30}$	3) $\frac{21}{20}$	3) $\frac{22}{15}$
4) $\frac{22}{35}$	4) $\frac{10}{40}$	4) $\frac{17}{40}$	4) $\frac{25}{28}$
5) $\frac{17}{35}$	5) $\frac{17}{28}$	5) $\frac{24}{49}$	5) $\frac{27}{16}$
6) $\frac{29}{36}$	6) $\frac{8}{18}$	6) $\frac{5}{15}$	6) $\frac{26}{15}$
7) $\frac{7}{9}$	7) $\frac{27}{15}$	7) $\frac{11}{15}$	7) $\frac{21}{15}$
8) $\frac{16}{30}$	8) $\frac{16}{20}$	8) $\frac{18}{10}$	8) $\frac{33}{10}$

Multiplying pairs of fractions

$$\frac{3}{4} \times \frac{2}{3}$$

1) Multiply the numerators

2) Multiply the denominators

$$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$$

3) Simplify the answer if you can.

$$\frac{6}{12} = \frac{1}{2}$$

Question 25 (sheet 1)

1) $\frac{1}{7} \times \frac{3}{5}$

2) $\frac{7}{10} \times \frac{2}{3}$

3) $\frac{1}{3} \times \frac{1}{4}$

4) $\frac{6}{9} \times \frac{1}{2}$

5) $\frac{5}{6} \times \frac{5}{8}$

6) $\frac{1}{2} \times \frac{2}{6}$

7) $\frac{1}{2} \times \frac{3}{9}$

8) $\frac{1}{8} \times \frac{1}{2}$

Multiplying pairs of fractions

$\frac{3}{4} \times \frac{2}{3}$

1) Multiply the numerators

2) Multiply the denominators

$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$

3) Simplify the answer if you can.

$\frac{6}{12} = \frac{1}{2}$

Question 25 (sheet 2)

1) $\frac{2}{8} \times \frac{5}{6}$

2) $\frac{3}{4} \times \frac{2}{10}$

3) $\frac{2}{3} \times \frac{3}{8}$

4) $\frac{1}{2} \times \frac{3}{6}$

5) $\frac{2}{4} \times \frac{1}{6}$

6) $\frac{4}{7} \times \frac{4}{6}$

7) $\frac{2}{9} \times \frac{2}{3}$

8) $\frac{4}{7} \times \frac{1}{2}$

Multiplying pairs of fractions

$\frac{3}{4} \times \frac{2}{3}$

1) Multiply the numerators

2) Multiply the denominators

$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$

3) Simplify the answer if you can.

$\frac{6}{12} = \frac{1}{2}$

Question 25 (sheet 3)

1) $\frac{3}{20} \times \frac{6}{9}$

2) $\frac{5}{8} \times \frac{16}{20}$

3) $\frac{1}{2} \times \frac{3}{18}$

4) $\frac{1}{3} \times \frac{7}{14}$

5) $\frac{1}{2} \times \frac{1}{4}$

6) $\frac{2}{16} \times \frac{3}{4}$

7) $\frac{13}{15} \times \frac{2}{7}$

8) $\frac{2}{5} \times \frac{2}{3}$

Multiplying pairs of fractions

$$\frac{3}{4} \times \frac{2}{3}$$

1) Multiply the numerators

2) Multiply the denominators

$$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$$

3) Simplify the answer if you can.

$$\frac{6}{12} = \frac{1}{2}$$

Question 25 (sheet 3)

1) $\frac{1}{2} \times \frac{7}{9}$

2) $\frac{11}{20} \times \frac{1}{7}$

3) $\frac{12}{16} \times \frac{3}{4}$

4) $\frac{1}{18} \times \frac{1}{5}$

5) $\frac{16}{20} \times \frac{2}{3}$

6) $\frac{2}{4} \times \frac{2}{7}$

7) $\frac{3}{4} \times \frac{1}{3}$

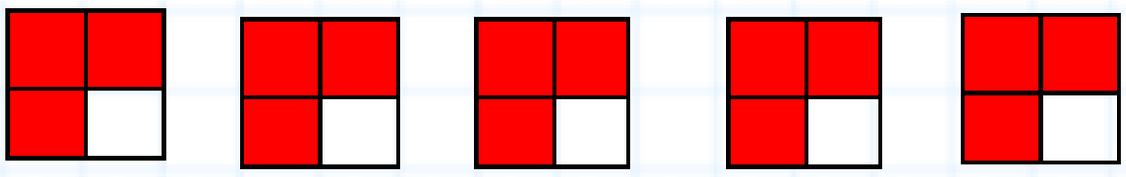
8) $\frac{2}{6} \times \frac{3}{4}$

Multiplying pairs of fractions- Question 26 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) $\frac{3}{35}$	*1)* $\frac{10}{48}$	*1)* $\frac{18}{180}$ or $\frac{1}{10}$	*1)* $\frac{7}{18}$
2) $\frac{14}{30}$	*2)* $\frac{6}{40}$	*2)* $\frac{80}{160}$ or $\frac{1}{2}$	*2)* $\frac{11}{140}$
3) $\frac{1}{12}$	*3)* $\frac{6}{24}$	*3)* $\frac{3}{36}$ or $\frac{1}{12}$	*3)* $\frac{36}{64}$ or $\frac{9}{16}$
4) $\frac{6}{18}$	*4)* $\frac{3}{12}$	*4)* $\frac{7}{42}$ or $\frac{1}{6}$	*4)* $\frac{1}{90}$
5) $\frac{25}{48}$	5) $\frac{2}{24}$	*5)* $\frac{1}{8}$	*5)* $\frac{32}{60}$ or $\frac{8}{15}$
6) $\frac{2}{12}$	*6)* $\frac{16}{42}$	*6)* $\frac{6}{64}$ or $\frac{3}{32}$	*6)* $\frac{4}{28}$ or $\frac{1}{7}$
7) $\frac{3}{18}$	*7)* $\frac{4}{27}$	*7)* $\frac{26}{105}$	*7)* $\frac{3}{12}$ or $\frac{1}{4}$
8) $\frac{1}{6}$	*8)* $\frac{4}{14}$	*8)* $\frac{4}{15}$	*8)* $\frac{6}{24}$ or $\frac{1}{4}$

Multiplying fractions by whole numbers

$\frac{3}{4} \times 5$



1) Write the whole number as a fraction over 1.

$\frac{3}{4} \times \frac{5}{1}$

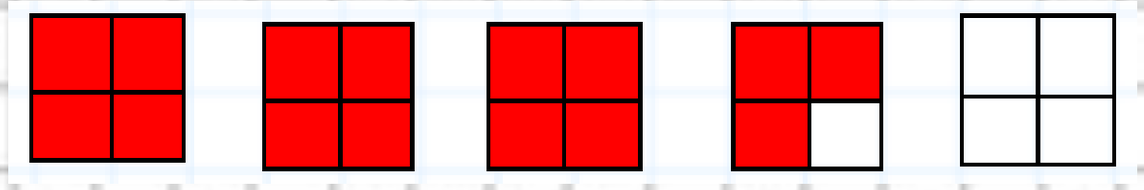
2) Multiply the numerators

3) Multiply the denominators

$\frac{3}{4} \times \frac{5}{1} = \frac{1}{4}\ \ 5$

4) Change any improper fractions back to mixed numbers.

$\frac{1}{4}\ \ 5 = 3\frac{3}{4}$



5) Simplify the answer if you can.

Question 22 (sheet 1)

1) $\frac{1}{2} \times 4$

2) $\frac{1}{3} \times 3$

3) $\frac{1}{3} \times 5$

4) $\frac{1}{6} \times 5$

5) $\frac{1}{4} \times 3$

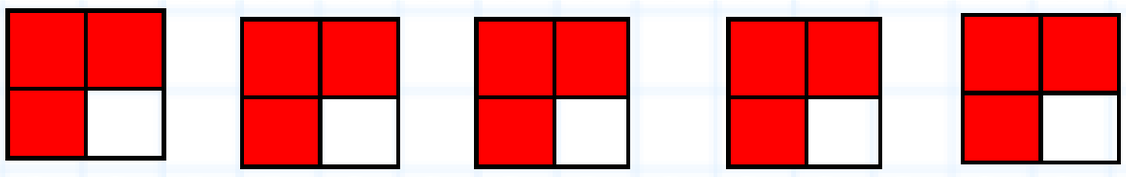
6) $\frac{1}{8} \times 3$

7) $\frac{1}{5} \times 2$

8) $\frac{1}{2} \times 2$

Multiplying fractions by whole numbers

$\frac{3}{4} \times 5$



1) Write the whole number as a fraction over 1.

$\frac{3}{4} \times \frac{5}{1}$

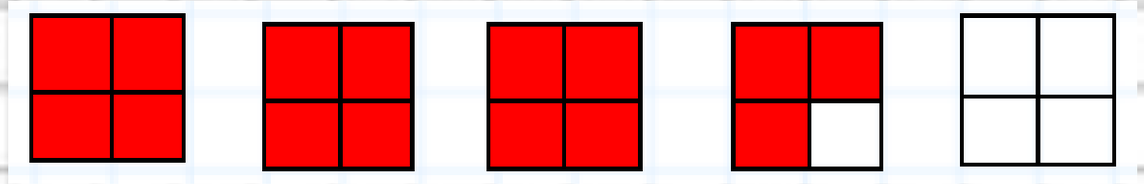
2) Multiply the numerators

3) Multiply the denominators

$\frac{3}{4} \times \frac{5}{1} = \frac{1}{4}\ \ ^{5}$

4) Change any improper fractions back to mixed numbers.

$\frac{1}{4}\ \ ^{5} = 3\frac{3}{4}$



5) Simplify the answer if you can.

Question 22 (sheet 2)

1) $\frac{1}{4} \times 4$

2) $\frac{1}{2} \times 3$

3) $\frac{1}{2} \times 6$

4) $\frac{1}{8} \times 9$

5) $\frac{1}{3} \times 7$

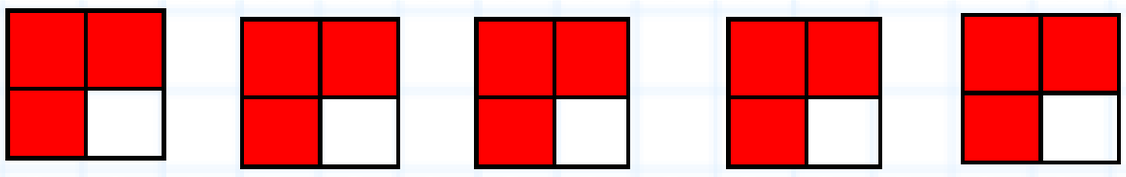
6) $\frac{1}{10} \times 7$

7) $\frac{1}{4} \times 9$

8) $\frac{1}{8} \times 5$

Multiplying fractions by whole numbers

$\frac{3}{4} \times 5$



1) Write the whole number as a fraction over 1.

$\frac{3}{4} \times \frac{5}{1}$

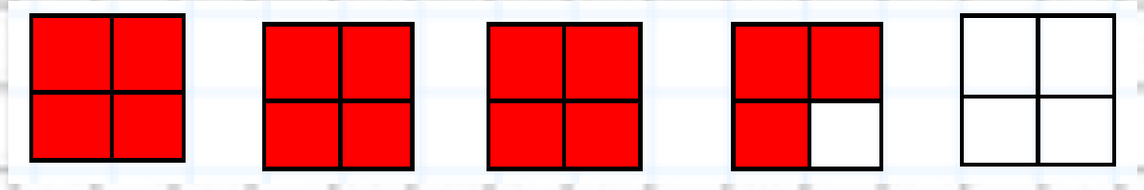
2) Multiply the numerators

3) Multiply the denominators

$\frac{3}{4} \times \frac{5}{1} = \frac{1}{4}\ \ 5$

4) Change any improper fractions back to mixed numbers.

$\frac{1}{4}\ \ 5 = 3\frac{3}{4}$



5) Simplify the answer if you can.

Question 22 (sheet 3)

1) $\frac{1}{5} \times 12$

2) $\frac{1}{6} \times 6$

3) $\frac{1}{4} \times 8$

4) $\frac{1}{9} \times 12$

5) $\frac{1}{2} \times 7$

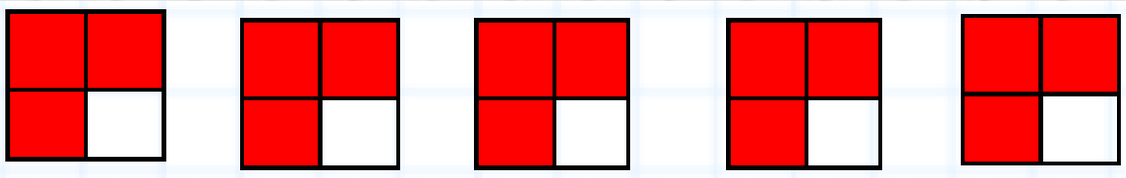
6) $\frac{2}{3} \times 8$

7) $\frac{2}{3} \times 4$

8) $\frac{5}{6} \times 9$

Multiplying fractions by whole numbers

$\frac{3}{4} \times 5$



1) Write the whole number as a fraction over 1.

$\frac{3}{4} \times \frac{5}{1}$

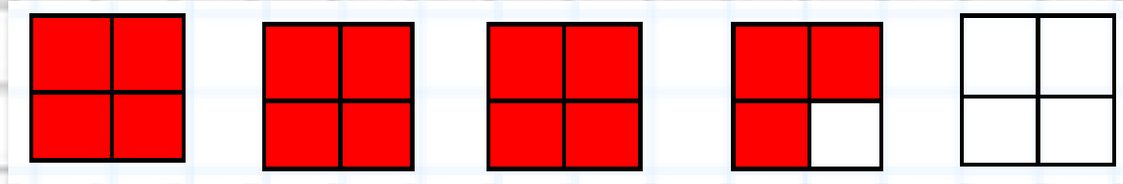
2) Multiply the numerators

3) Multiply the denominators

$\frac{3}{4} \times \frac{5}{1} = \frac{15}{4}$

4) Change any improper fractions back to mixed numbers.

$\frac{15}{4} = 3\frac{3}{4}$



5) Simplify the answer if you can.

Question 22 (sheet 4)

1) $\frac{2}{3} \times 4$

2) $\frac{5}{6} \times 9$

3) $\frac{3}{4} \times 5$

4) $\frac{5}{8} \times 4$

5) $\frac{3}{5} \times 3$

6) $\frac{1}{2} \times 6$

7) $\frac{2}{4} \times 6$

8) $\frac{4}{8} \times 7$

Multiplying fractions by whole numbers- Question 22 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) $\frac{4}{2}$ or 2	1) $\frac{4}{4}$ or 1	1) $\frac{12}{5}$ or $2\frac{2}{5}$	1) $\frac{8}{3}$ or $2\frac{2}{3}$
2) $\frac{3}{3}$ or 1	2) $\frac{3}{2}$ or $1\frac{1}{2}$	2) $\frac{6}{6}$ or 1	2) $\frac{45}{6}$ or $7\frac{1}{2}$
3) $\frac{5}{3}$ or $1\frac{2}{3}$	3) $\frac{6}{2}$ or 3	3) $\frac{8}{4}$ or 2	3) $\frac{15}{4}$ or $3\frac{3}{4}$
4) $\frac{5}{6}$	4) $\frac{9}{8}$ or $1\frac{1}{8}$	4) $\frac{12}{9}$ or $1\frac{1}{3}$	4) $\frac{20}{8}$ or $2\frac{1}{2}$
5) $\frac{3}{4}$	5) $\frac{7}{3}$ or $2\frac{1}{3}$	5) $\frac{7}{2}$ or $3\frac{1}{2}$	5) $\frac{9}{5}$ or $1\frac{4}{5}$
6) $\frac{3}{8}$	6) $\frac{7}{10}$	6) $\frac{16}{3}$ or $5\frac{1}{3}$	6) $\frac{6}{2}$ or 3
7) $\frac{2}{5}$	7) $\frac{9}{4}$ or $2\frac{1}{4}$	7) $\frac{8}{3}$ or $2\frac{2}{3}$	7) $\frac{12}{4}$ o 3
8) $\frac{2}{2}$ or 1	8) $\frac{5}{8}$	8) $\frac{45}{6}$ or $7\frac{1}{2}$	8) $\frac{28}{8}$ or $3\frac{1}{2}$

Find fractions of numbers

$\frac{3}{4}$ of 48

1) Divide the whole number by the denominator.
(48 ÷ 4 = 12)

2) Multiply the answer by the numerator
(12 x 3 = 36)

48 ÷ 4 = 12
dividing by 4 finds one quarter.

12 x 3 = 36
multiplying by 3 finds 3 quarters

Question 30 (sheet 1)

1) $\frac{1}{8}$ of 72

2) $\frac{1}{9}$ of 54

3) $\frac{1}{4}$ of 52

4) $\frac{1}{5}$ of 175

5) $\frac{1}{6}$ of 300

6) $\frac{1}{10}$ of 100

7) $\frac{3}{4}$ of 100

8) $\frac{2}{5}$ of 25

Find fractions of numbers

$\frac{3}{4}$ of 48

1) Divide the whole number by the denominator.
(48 ÷ 4 = 12)

2) Multiply the answer by the numerator
(12 x 3 = 36)

48 ÷ 4 = 12
dividing by 4 finds one quarter.

12 x 3 = 36
multiplying by 3 finds 3 quarters

Question 30 (sheet 2)

1) $\frac{5}{9}$ of 36

2) $\frac{3}{4}$ of 56

3) $\frac{4}{5}$ of 100

4) $\frac{2}{3}$ of 210

5) $\frac{1}{5}$ of 250

6) $\frac{1}{2}$ of 84

7) $\frac{1}{7}$ of 140

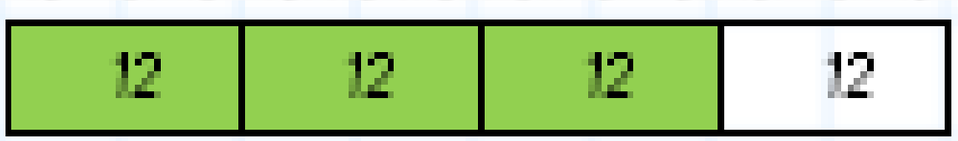
8) $\frac{1}{8}$ of 64

Find fractions of numbers

$\frac{3}{4}$ of 48

1) Divide the whole number by the denominator.
(48 ÷ 4 = 12)

2) Multiply the answer by the numerator
(12 x 3 = 36)



48 ÷ 4 = 12
dividing by 4 finds one quarter.

12 x 3 = 36
multiplying by 3 finds 3 quarters

Question 30 (sheet 3)

1) $\frac{1}{9}$ of 81

2) $\frac{1}{5}$ of 55

3) $\frac{2}{3}$ of 75

4) $\frac{5}{8}$ of 40

5) $\frac{2}{3}$ of 225

6) $\frac{5}{7}$ of 133

7) $\frac{2}{10}$ of 100

8) $\frac{4}{9}$ of 90

Find fractions of numbers

$\frac{3}{4}$ of 48

1) Divide the whole number by the denominator.
(48 ÷ 4 = 12)

2) Multiply the answer by the numerator
(12 x 3 = 36)

48 ÷ 4 = 12
dividing by 4 finds one quarter.

12 x 3 = 36
multiplying by 3 finds 3 quarters

Question 30 (sheet 4)

1) $\frac{7}{8}$ of 72

2) $\frac{3}{8}$ of 64

3) $\frac{2}{3}$ of 180

4) $\frac{5}{6}$ of 120

5) $\frac{2}{3}$ of 27

6) $\frac{4}{7}$ of 42

7) $\frac{1}{7}$ of 140

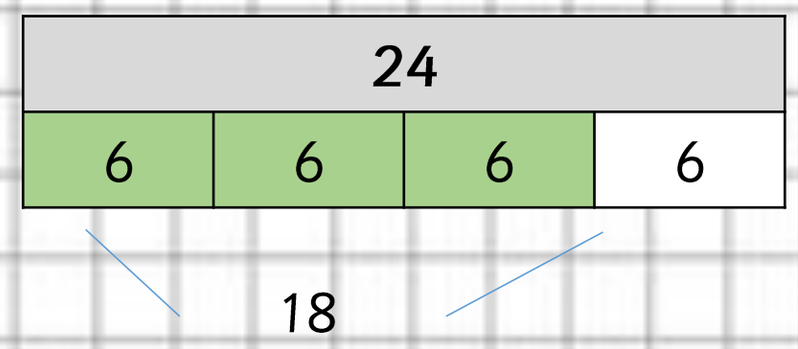
8) $\frac{1}{2}$ of 114

Find fractions of numbers- Question 30 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 63	1) 20	1) 9	1) 63
2) 39	2) 42	2) 11	2) 24
3) 13	3) 80	3) 50	3) 120
4) 35	4) 140	4) 25	4) 100
5) 50	5) 50	5) 150	5) 18
6) 10	6) 42	6) 95	6) 24
7) 75	7) 20	7) 20	7) 20
8) 10	8) 8	8) 40	8) 57

Finding the whole from a fraction

$\frac{3}{4}$ of ___ is 18



1) Divide the whole number by the numerator. This shows what one 'part' is worth (18 ÷ 3 = 6)

2) Multiply the answer by the denominator (6 x 4 = 24). This shows what the whole number is.

Question 34 (sheet 1)

1) $\frac{3}{4}$ of ___ is 36

2) $\frac{2}{5}$ of ___ is 12

3) $\frac{2}{9}$ of ___ is 6

4) $\frac{5}{8}$ of ___ is 15

5) $\frac{7}{8}$ of ___ is 42

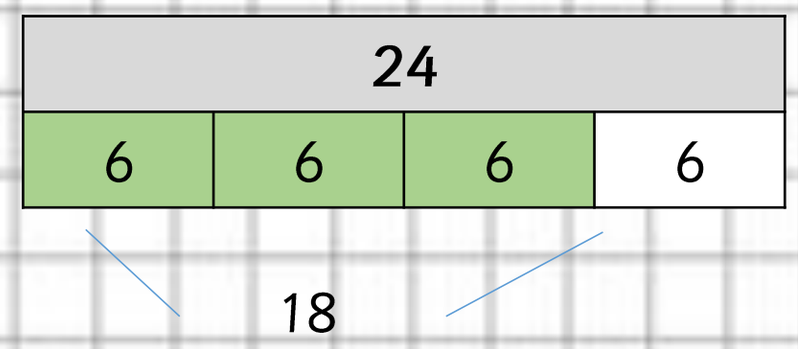
6) $\frac{3}{8}$ of ___ is 15

7) $\frac{2}{3}$ of ___ is 8

8) $\frac{7}{9}$ of ___ is 14

Finding the whole from a fraction

$\frac{3}{4}$ of ___ is 18



1) Divide the whole number by the numerator. This shows what one 'part' is worth (18 ÷ 3 = 6)

2) Multiply the answer by the denominator (6 x 4 = 24). This shows what the whole number is.

Question 34 (sheet 2)

1) $\frac{2}{3}$ of ___ is 18

2) $\frac{3}{5}$ of ___ is 12

3) $\frac{5}{9}$ of ___ is 10

4) $\frac{7}{8}$ of ___ is 49

5) $\frac{7}{10}$ of ___ is 42

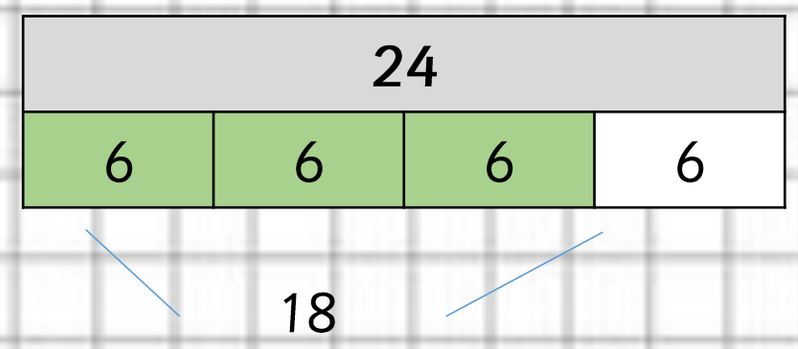
6) $\frac{3}{7}$ of ___ is 15

7) $\frac{2}{5}$ of ___ is 8

8) $\frac{7}{11}$ of ___ is 14

Finding the whole from a fraction

$\frac{3}{4}$ of ___ is 18



1) Divide the whole number by the numerator. This shows what one 'part' is worth (18 ÷ 3 = 6)

2) Multiply the answer by the denominator (6 x 4 = 24). This shows what the whole number is.

Question 34 (sheet 3)

1) $\frac{3}{5}$ of ___ is 18

2) $\frac{3}{7}$ of ___ is 12

3) $\frac{2}{9}$ of ___ is 10

4) $\frac{7}{12}$ of ___ is 49

5) $\frac{7}{10}$ of ___ is 35

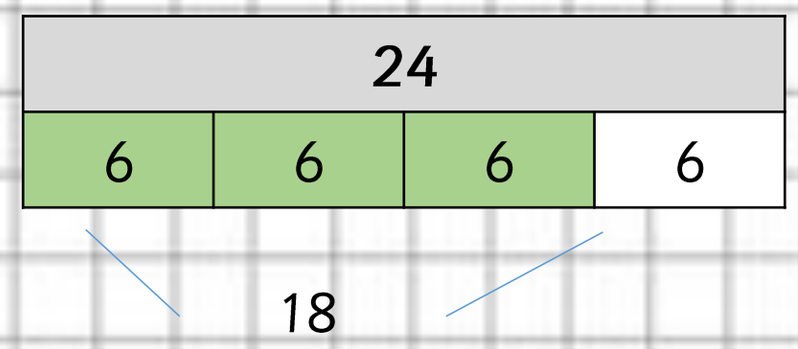
6) $\frac{3}{7}$ of ___ is 21

7) $\frac{3}{5}$ of ___ is 9

8) $\frac{2}{11}$ of ___ is 24

Finding the whole from a fraction

$\frac{3}{4}$ of ___ is 18



1) Divide the whole number by the numerator. This shows what one 'part' is worth (18 ÷ 3 = 6)

2) Multiply the answer by the denominator (6 x 4 = 24). This shows what the whole number is.

Question 34 (sheet 4)

1) $\frac{3}{7}$ of ___ is 24

2) $\frac{5}{7}$ of ___ is 15

3) $\frac{4}{7}$ of ___ is 20

4) $\frac{7}{12}$ of ___ is 56

5) $\frac{8}{11}$ of ___ is 40

6) $\frac{6}{7}$ of ___ is 24

7) $\frac{3}{10}$ of ___ is 15

8) $\frac{4}{11}$ of ___ is 8

Finding the whole number from a fraction - Question 34 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 48	1) 27	1) 30	1) 56
2) 30	2) 20	2) 28	2) 21
3) 27	3) 18	3) 45	3) 35
4) 24	4) 56	4) 84	4) 96
5) 48	5) 60	5) 50	5) 55
6) 40	6) 35	6) 49	6) 28
7) 12	7) 20	7) 15	7) 50
8) 18	8) 22	8) 132	8) 22

Missing number questions (addition symbol)

74 + 69 = 143

88 + 92 = 180

143 – 69 = 74

180 – 88 = 92

143	
69	74

180	
88	92

1) Take one of the numbers that you know away from the total to find the other missing number.

Question 3 (sheet 1)

1) 84 + ___ = 97

2) ___ + 41 = 60

3) 94 + ___ = 171

4) 40 + ___ = 111

5) 93 + ___ = 113

6) ___ + 63 = 131

7) ___ + 59 = 101

8) 55 + ___ = 95

Missing number questions (addition symbol)

74 + 69 = 143

88 + 92 = 180

143 – 69 = 74

180 – 88 = 92

143	
69	74

180	
88	92

1) Take one of the numbers that you know away from the total to find the other missing number.

Question 3 (sheet 2)

1) 75 + ___ = 143

2) 92 + ___ = 120

3) 44 + ___ = 115

4) ___ + 33 = 107

5) ___+ 83 = 102

6) ___ + 37 = 58

7) ___ + 61 = 132

8) 38 + ___ = 55

Missing number questions (addition symbol)

74 + 69 = 143

88 + 92 = 180

143 – 69 = 74

180 – 88 = 92

143	
69	74

180	
88	92

1) Take one of the numbers that you know away from the total to find the other missing number.

Question 3 (sheet 3)

1) ___ + 23 = 60

2) ___ + 59 = 97

3) ___ + 15 = 65

4) 77 + ___ = 90

5) ___ + 82 = 158

6) 88 + ___ = 185

7) 28 + ___ = 112

8) ___ + 91 = 175

Missing number questions (addition symbol)

74 + 69 = 143

88 + 92 = 180

143 – 69 = 74

180 – 88 = 92

143	
69	74

180	
88	92

1) Take one of the numbers that you know away from the total to find the other missing number.

Question 3 (sheet 4)

1) 31 + ___ = 73

2) ___ + 34 = 80

3) ___ + 12 = 87

4) ___ + 30 = 104

5) 74 + ___ = 98

6) ___ + 44 = 102

7) 41 + ___ = 72

8) 12 + ___ = 27

Missing number questions (addition symbol) - Question 3 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 13	1) 143	1) 37	1) 42
2) 19	2) 28	2) 38	2) 46
3) 77	3) 115	3) 50	3) 75
4) 71	4) 74	4) 13	4) 74
5) 20	5) 19	5) 76	5) 24
6) 68	6) 21	6) 97	6) 58
7) 42	7) 71	7) 84	7) 31
8) 40	8) 17	8) 84	8) 15

Missing number questions (subtraction symbol)

81 - ____ = 49

81	
	49

If you know the total, subtract the smaller number from it.

81 – 49 = 32

81 - 32 = 49

81	
32	49

____ - 76 = 15

76	15

If you do not know the total, add the 2 values that you know together.

76 + 15 = 91

91 - 76 = 15

91	
76	15

Question 4 (sheet 1)

1) ____ - 73 = 17

2) ____ - 39 = 28

3) ____ - 62 = 29

4) ____ - 57 = 19

5) 43 - ____ = 33

6) ____ - 49 = 11

7) 91 - ____ = 22

8) 88 - ____ = 27

Missing number questions (subtraction symbol)

81 - ____ = 49

81	
	49

If you know the total, subtract the smaller number from it.

81 – 49 = 32

81 - 32 = 49

81	
32	49

____ - 76 = 15

76	15

If you do not know the total, add the 2 values that you know together.

76 + 15 = 91

91 - 76 = 15

91	
76	15

Question 4 (sheet 2)

1) 74 - ___ = 63

2) 99- ___ = 9

3) 54- ___ = 33

4) 91 - ___ = 41

5) ___ - 69 = 9

6) 61 - __ = 34

7) 60 - ___ = 39

8) ___ - 86 = 12

Missing number questions (subtraction symbol)

81 - ____ = 49

81	
	49

If you know the total, subtract the smaller number from it.

81 – 49 = 32

81 - 32 = 49

81	
32	49

____ - 76 = 15

76	15

If you do not know the total, add the 2 values that you know together.

76 + 15 = 91

91 - 76 = 15

91	
76	15

Question 4 (sheet 3)

1) 55 - ___ = 31

2) 94 - ___ = 28

3) ___ - 34 = 18

4) ___ - 47 = 17

5) ___ - 46 = 24

6) ___ - 10 = 44

7) ___ - 10 = 19

8) 40 - ___ = 8

Missing number questions (subtraction symbol)

81 - ____ = 49

81	
	49

If you know the total, subtract the smaller number from it.

81 – 49 = 32

81 - 32 = 49

81	
32	49

____ - 76 = 15

76	15

If you do not know the total, add the 2 values that you know together.

76 + 15 = 91

91 - 76 = 15

91	
76	15

Question 4 (sheet 3)

1) ___ - 63 = 12

2) ___ - 69 = 8

3) ___ - 42 = 54

4) ___ - 13 = 69

5) 69 - ___ = 44

6) 89 - ___ = 28

7) 78 - ___ = 9

8) ___ - 55 = 11

Missing number questions (subtraction symbol)- Question 4 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 90	1) 11	1) 24	1) 75
2) 67	2) 90	2) 66	2) 77
3) 91	3) 21	3) 52	3) 96
4) 76	4) 50	4) 64	4) 82
5) 10	5) 78	5) 70	5) 25
6) 60	6) 27	6) 54	6) 61
7) 69	7) 31	7) 29	7) 69
8) 61	8) 98	8) 32	8) 66

Missing number questions (multiplication symbol)

_____ x 36 = 3240

416 = _____x 13

1) Divide the total by one of the values to find the other value.
2) Check by multiplying the 2 smaller values together. If your answer is the total, you are correct!

3240 ÷ 36 = 90

416 ÷ 13 = 32

__90__ x 36 = 3240

416 = __32__ x 13

Question 36 (sheet 1)

1) 27 x ____ = 702
2) 572 = ____ x 26
3) ____ x 7 = 154
4) 208 = 26 x ____
5) ____ x 21 = 210
6) ____ x 15 = 195
7) 15 x ____ = 135
8) 240 = ____ x 16

Missing number questions (multiplication symbol)

_____ x 36 = 3240

416 = _____x 13

1) Divide the total by one of the values to find the other value.
2) Check by multiplying the 2 smaller values together. If your answer is the total, you are correct!

3240 ÷ 36 = 90

416 ÷ 13 = 32

__90__ x 36 = 3240

416 = __32__ x 13

Question 36 (sheet 2)

1) ___ x 23= 115
2) 420 = ___ x 20
3) 26 x ___ = 780
4) 425 = 25 x ___
5) 315 = 15 x _____
6) 7 x ___ = 126
7) 70 = ___ x 10
8) 96 = 12 x _____

Missing number questions (multiplication symbol)

_____ x 36 = 3240

416 = _____x 13

1) Divide the total by one of the values to find the other value.
2) Check by multiplying the 2 smaller values together. If your answer is the total, you are correct!

3240 ÷ 36 = 90

416 ÷ 13 = 32

__90__ x 36 = 3240

416 = __32__ x 13

Question 36 (sheet 3)

1) ___ x 19 = 570
2) 11 x ___ = 242
3) 152 = _____x 14
4) ___ x 10 = 120
5) 570 = ___ x 19
6) 18 x ___ = 414
7) ___ x 15 = 270
8) 88 = ___ x 8

Missing number questions (multiplication symbol)

_____ x 36 = 3240

416 = _____ x 13

1) Divide the total by one of the values to find the other value.
2) Check by multiplying the 2 smaller values together. If your answer is the total, you are correct!

3240 ÷ 36 = 90

416 ÷ 13 = 32

__90__ x 36 = 3240

416 = __32__ x 13

Question 36 (sheet 4)

1) 15 x _____ = 420
2) 192 = ____ x 24
3) 27 x ____ = 216
4) ____ x 6 = 90
5) 8 x ____ = 208
6) 270 = ____ x 10
7) ____ x 30 = 840
8) 638 = 29 x _____

Missing number questions (multiplication symbol)- Question 36 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 26	1) 5	1) 30	1) 18
2) 22	2) 21	2) 22	2) 8
3) 22	3) 30	3) 18	3) 8
4) 8	4) 17	4) 12	4) 15
5) 10	5) 21	5) 30	5) 26
6) 13	6) 18	6) 23	6) 27
7) 9	7) 7	7) 18	7) 28
8) 15	8) 8	8) 11	8) 22

Missing number questions (division symbol)

20 = 100 ÷ ___ 5

1) If you know what the biggest value is, divide it by one of the smaller values.

100 ÷ 20 = 5

2) Check that your answer fits.

100 ÷ 4 = 25

1) If you don't know what the biggest value is, multiply the two smaller values together.

4 x 25 = 100

2) Check that your answer fits.

Question 35 (sheet 1)

1) ___ ÷ 18 = 7

2) 4 = 80 ÷ ___

3) ___ ÷ 19 = 2

4) 4 = ___ ÷ 17

5) ___ ÷ 17 = 3

6) 4 = 56 ÷ ___

7) 104 ÷ 13 = ___

8) ___ = 52 ÷ 13

9) 4 = ___ ÷ 20

10) 95 ÷ 19 = ____

Missing number questions (division symbol)

20 = 100 ÷ ___ 5

1) If you know what the biggest value is, divide it by one of the smaller values.

   100 ÷ 20 = 5

2) Check that your answer fits.

100 ÷ 4 = 25

1) If you don't know what the biggest value is, multiply the two smaller values together.

   4 x 25 = 100

2) Check that your answer fits.

Question 35 (sheet 2)

1) 24 ÷ ____ = 2

2) 90 ÷ ____ = 6

3) 9 = ___ ÷ 18

4) 7 == 112 ÷ ____

5) 119 ÷ ____ = 7

6) ____ ÷ 19 = 1

7) 117 ÷ ____ = 9

8) 95 ÷ ____ = 5

9) 55 ÷ ____ = 5

10) ____ ÷ 14 = 4

Missing number questions (division symbol)

20 = 100 ÷ ___ 5

1) If you know what the biggest value is, divide it by one of the smaller values.

100 ÷ 20 = 5

2) Check that your answer fits.

100 ÷ 4 = 25

1) If you don't know what the biggest value is, multiply the two smaller values together.

4 x 25 = 100

2) Check that your answer fits.

Question 35 (sheet 3)

1) ___ ÷ 18 = 5

2) 10 = 180 ÷ ___

3) ___ ÷ 19 = 6

4) 114 ÷ 19 = ____

5) 30 ÷ ___ = 2

6) 60 ÷ ___ = 3

7) 108 ÷ ___ = 6

8) 40 ÷ ___ = 2

9) 1 = ___ ÷ 19

10) 95 ÷ ___ = 5

Missing number questions (division symbol)

20 = 100 ÷ ___ 5

1) If you know what the biggest value is, divide it by one of the smaller values.

100 ÷ 20 = 5

2) Check that your answer fits.

100 ÷ 4 = 25

1) If you don't know what the biggest value is, multiply the two smaller values together.

4 x 25 = 100

2) Check that your answer fits.

Question 35 (sheet 3)

1) 96 ÷ ___ - 8

2) 4 = ___ ÷ 19

3) 128 ÷ 16 = _____

4) 2 = ___ ÷ 17

5) 88 ÷ ___ = 8

6) 98 ÷ 14 = ___

7) ___ = 90 ÷ 18

8) 108 ÷ ___ = 6

9) 75 ÷ ___ = 5

10) 85 ÷ 17 = ___

Missing number questions (division symbol) - Question 35 (ANSWERS)

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 126	1) 12	1) 90	1) 12
2) 20	2) 15	2) 18	2) 76
3) 28	3) 162	3) 114	3) 8
4) 68	4) 16	4) 6	4) 34
5) 51	5) 17	5) 15	5) 11
6) 14	6) 19	6) 20	6) 7
7) 8	7) 13	7) 18	7) 5
8) 4	8) 19	8) 20	8) 18
9) 80	9) 11	9) 19	9) 15
10) 5	10) 56	10) 19	10) 5

Using multiplication facts

Use your knowledge of place value to help you with multiplying, e.g.

If 3 x 2 = 6, then

3 x 20 = 60
30 x 2 = 60
30 x 20 = 600

Use your knowledge of place value to help you with division, e.g.

If 42 ÷ 6 = 7, then

420 ÷ 6 = 70
420 ÷ 60 = 7
4,200 ÷ 60 = 70

Question 5 (sheet 1)

1) 60 x 6

2) 560 ÷ 7

3) 7 x 90

4) 150 ÷ 3

5) 550 ÷ 3

6) 80 x 7

7) 4 x 60

8) 450 ÷ 9

Using multiplication facts

Use your knowledge of place value to help you with multiplying, e.g.

If 3 x 2 = 6, then

3 x 20 = 60
30 x 2 = 60
30 x 20 = 600

Use your knowledge of place value to help you with division, e.g.

If 42 ÷ 6 = 7, then

420 ÷ 6 = 70
420 ÷ 60 = 7
4,200 ÷ 60 = 70

Question 5 (sheet 2)

1) 450 ÷ 9

2) 110 x 11

3) 330 ÷ 11

4) 960 ÷ 12

5) 12 x 60

6) 60 x 8

7) 560 ÷ 7

8) 90 x 4

Using multiplication facts

Use your knowledge of place value to help you with multiplying, e.g.

If 3 x 2 = 6, then

3 x 20 = 60
30 x 2 = 60
30 x 20 = 600

Use your knowledge of place value to help you with division, e.g.

If 42 ÷ 6 = 7, then

420 ÷ 6 = 70
420 ÷ 60 = 7
4,200 ÷ 60 = 70

Question 5 (sheet 3)

1) 630 ÷ 9

2) 11 x 30

3) 700 ÷ 10

4) 60 x 9

5) 9 x 110

6) 720 ÷ 8

7) 990 ÷ 9

8) 5 x 700

Using multiplication facts

Use your knowledge of place value to help you with multiplying, e.g.

If 3 x 2 = 6, then

3 x 20 = 60
30 x 2 = 60
30 x 20 = 600

Use your knowledge of place value to help you with division, e.g.

If 42 ÷ 6 = 7, then

420 ÷ 6 = 70
420 ÷ 60 = 7
4,200 ÷ 60 = 70

Question 5 (sheet 4)

1) 5 x 700

2) 1440 ÷ 12

3) 560 ÷ 7

4) 8 x 800

5) 30 x 50

6) 3200 ÷ 4

7) 4200 ÷ 60

8) 7 x 900

Using multiplication facts - *Question 5 (ANSWERS)*

Sheet 1	Sheet 2	Sheet 3	Sheet 4
1) 1360	1) 90	1) 970	1) 3500
2) 80	2) 10	2) 330	2) 120
3) 630	3) 30	3) 70	3) 80
4) 50	4) 80	4) 540	4) 6400
5) 110	5) 720	5) 990	5) 1500
6) 560	6) 480	6) 90	6) 800
7) 240	7) 80	7) 110	7) 70
8) 50	8) 360	8) 3500	8) 6300