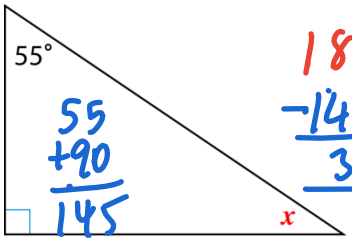
Angles in a Triangle

Angles in a triangle add up to: 180



55 + 90 = 145

180 − 145 = 35

What is the missing angle? 35°

Subtracting

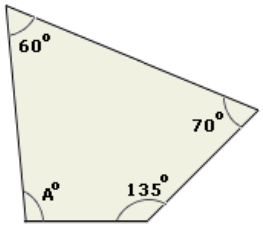
The method I use is: Column

600 - 238

600 − 238 = 262

Angles in a Quadrilateral

Angles in a quadrilateral add up to: 360



60 + 70 + 135 = 265

360 − 265 = 95

What is the missing angle? 95°

Multiplying Decimals

0.02 x 0.4

0.008

The rule for multiplying decimals is:

Count the decimal places in the question

Multiplying

The method I use is: Grid

245 x 57

	50	7
200	10 000	1400
40	2000	280
5	250	35

10000 + 2000 + 1400 + 280 + 250 + 35 = 13965

Powers and Roots

5^2 = 5x5=25

9^2 = 9x9=81

√100 = 10

When you square a number you multiply it by itself

Multiples

List three multiples of 27

27, 270, 2700

Divide these numbers by 10

800 »» 80

840 »» 84

87 »» 8.7

5 »» 0.5

Multiply these Numbers by 10

3.2 »» 32

50 »» 500

0.28 »» 2.8

0.009 »» 0.09



Equivalent FDP

Fraction	Decimal	%
½	0.5	50%
1/4	0.25	25%
1/10	0.1	10%
3/4	0.75	75%

Find 10% of

44 »» 4.4

150 »» 15

35 »» 3.5

To find 10% of something you:

divide by 10

Factors

Find all the factors of 24

1 24
2 12
3 8
4 6

Dividing

The method I use is: Bus Stop

2436 ÷ 6

$$6\overline{)2^{2}4\,3^{3}6}\quad 0406$$

Perimeter and Area



Perimeter = 5+8+5+8 = 26cm

Area = 5x8 = 40 cm^2

Directed Number

4 – 7 = −3

-5 + 2 = −3

-3 – 6 = −9

-4 x 3 = −12

Fraction of an Amount

Find 1/8 of 512

$$8\overline{)5^{5}1^{3}2}\quad 064$$

To find an eighth of something you divide by 8

Subtract 17

40 – 17 = 23

70 – 17 = 53

90 – 17 = 73

200 – 17 = 183

Adding Decimals

The method I use is: Column

1.34 + 2.7

$$\begin{array}{r} 1.34 \\ +\ 2.70 \\ \hline 4.04 \\ \hline 1 \end{array}$$

Proportion

Six books cost £48.
How much do four books cost?

48 ÷ 6 = £8

£8 x 4 = £32

Multiplying Decimals (2)

3.4 x 6.7

34 x 67 = 2278

3.4 x 6.7 = 22.78

The rule for multiplying decimals is:

The answer has the same number of decimal places

Estimation

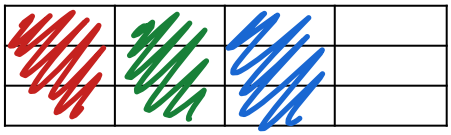
Estimate:

32.7 x 9.67

≈ 30 x 10 = 300

Shade a Fraction

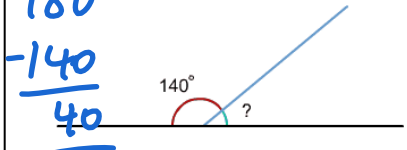
Shade 3/4 of this shape.



Angles on a Straight Line

Angles on a straight line add up to: 180

180 − 140 = 40



What is the missing angle? 40°

Multiplying Fractions

$\frac{2}{5} \times \frac{3}{4} = \frac{2\times3}{5\times4} = \frac{6}{20}$

The method for multiplying fractions is to:

Top x top

Bottom x bottom