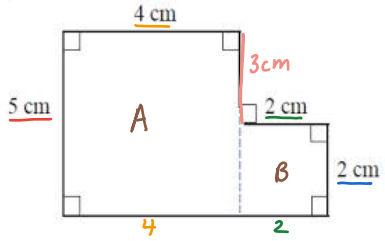
Perimeter and Area



Perimeter = 4 + 4 + 5 + 3 + 2 + 2 + 2 = 22cm

Area = A = 5 x 4 = 20
B = 2 x 2 = 4
20 + 4 = 24 cm²

Fraction of an Amount

Find $\frac{3}{5}$ of 200 =

5 | 200 = 040

40 x 3 = 120

Find $\frac{7}{10}$ of 600 =

10 | 600 = 60

60 x 7 = 420

Powers

5^2 = 5 x 5 = 25

0.5^2 = 0.5 x 0.5 = 0.25

$\sqrt{144}$ = 12

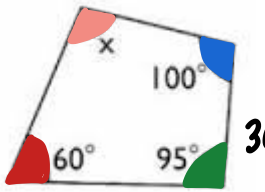
Prime Numbers

List three prime numbers

Solutions by Kenneth Stafford MATHS TUTOR ken@kennethstafford.co.uk

Angles

What is the missing angle?



60 + 95 + 100 = 255

360 - 255 = 105°

60 95 100

Adding/Subtracting Fractions

$\frac{1}{3} + \frac{2}{5} = \frac{5}{15} + \frac{6}{15} = \frac{11}{15}$

$\frac{3}{4} - \frac{4}{7} = \frac{21}{28} - \frac{16}{28} = \frac{5}{28}$

Multiplying Fractions

$\frac{8}{11} \times \frac{5}{9} = \frac{8 \times 5}{11 \times 9} = \frac{40}{99}$

$\frac{4}{20} \times \frac{7}{30} =$

$\frac{1}{5} \times \frac{7}{30} = \frac{1 \times 7}{5 \times 30} = \frac{7}{150}$

Dividing Fractions

$\frac{2}{7} \div \frac{5}{6} = \frac{2}{7} \times \frac{6}{5} = \frac{12}{35}$

$\frac{6}{7} \div \frac{5}{8} = \frac{6}{7} \times \frac{8}{5} = \frac{48}{35} = 1\frac{13}{35}$

Worded Question

Three pens cost £2.40. How much do five pens cost?

3 pens = £2.40

÷3 → 1 pen = £0.80 → ÷3

x5 → 5 pens = £4 → x5

Averages

Describe how to find:

Mode = Most common

Mean = Total ÷ how many

Median = Middle number (if in order)

Percentages

Find 10% of 54 = 5.4

Find 5% of 60 = 3

Find 15% of 24 = 3.6

Find 90% of 6 = 5.4

Best Buy Question

Which is better value:

4 cans of coke for £2.40 1 can = 60p

or

6 cans of coke for £3.90? 1 can = 65p

6 | 3.90 = 0.65