

FA1.3



1) What is the 4th cube number?

2) Work out $127.6 + 8.73$

3) Work out $5 - -12$

4) Work out 41×79

5) Work out 13×0.3

FA1.4



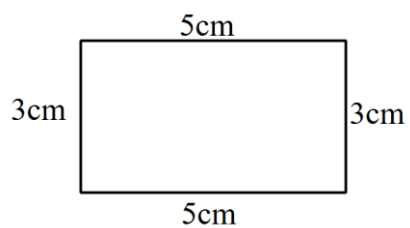
1) Work out $10 - 4 \div 2$

2) Simplify $5a + 2b - 3b + 2a$

3) Solve $4x - 5 = 1$

4) Find the median of 21, 32, 24, 19

5) Calculate the area of this rectangle



FA2.3



- 1) Expand and simplify $2(2x + 4) + 3(x - 4)$

- 2) Solve the equation $5(4x + 2) = -70$

- 3) Work out $\text{£}282 \div 12$

- 4) Express 196 as a product of prime factors

- 5) Find the n th term of the sequence 20, 34, 48, 62, ...



1) Find 90% of 220

2) Complete 1589g 6kg
(<, = or >)

3) Work out the value of $5n - 12$ when $n = 4$

4) Work out 0.05×0.8

5) Simplify the ratio 250 ml: 2 l (250 millilitres : 2 litres)

FA3.3



1) Solve the equation $5x - 7 = 6 + 3x$

2) Expand and simplify $6(2a + b) - 3(a - 2b)$

3) Work out $10 \div 8$

4) Find 95% of £70

5) Divide £121 in the ratio 5 : 6

FA3.4



- 1) Work out $4 + 3^2 \times 2$
- 2) If the n^{th} term of a sequence is $20n + 25$, what is the 5^{th} term?
- 3) Factorise $18x - 27$ and factorise fully $16x^2 - 24x$
- 4) Express 88 as a product of its prime factors
- 5) How much change from £10 would you get if you spent £5.65 and £2.75?

FA4.3



1) Work out $\frac{5}{6} - \frac{1}{4}$

2) Round 0.3456 to 1 significant figure

3) Work out $\frac{1}{2} \times \frac{4}{7}$

4) Factorise $27 - 45x$

5) Find the highest common factor of 30 and 42

FA4.4



- 1) Work out 57×360

- 2) Express 0.4 as a percentage

- 3) What is the 5th prime number?

- 4) Find 35% of £180

- 5) Calculate the area of a circle with diameter 6cm.
Leave your answer in terms of π

FA5.3



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

2) By rounding each number to one significant figure,
estimate $\frac{583 \times 309.7}{273.6}$

3) Decrease £1240 by 5%

4) Find the n th term of this sequence 11, 18, 25, 32, ...

5) Solve the equation $3x - 5 = 5x + 3$

FA5.4



- 1) Work out the value of $2x^2$ when $x = -5$

- 2) Expand and simplify $3(2b - 3a) + 5(2a + b)$

- 3) Work out $531 \div 0.3$

- 4) Work out $20 + 5 - 3 \times 2$

- 5) Work out $\frac{7}{5}$ of 245

FA6.3



- 1) Solve $3x - 8 \leq 4$ and display the solution on a number line

- 2) Work out $24.64 \div 0.7$

- 3) Express 15% as a fraction in its lowest terms

- 4) Factorise fully $12x^3 + 18x$

- 5) Make x the subject of $y = a(x - b)$

FA6.4



1) Express 324 as a product of primes,
and hence find its square root

2) Increase £120 by 35%

3) Work out five twelfths of 4140

4) Estimate, by rounding each number to one significant figure,

$$\frac{2036.4 \times 38.3}{23.73}$$

5) Work out the value of $20 - 3x^2$ when $x = -2$