

FA1.1



1) List the factors of 20

2) Work out $25.2 + 7.56$

3) Work out $-12 + 7$

4) Work out 64×53

5) Work out 24×5.1

FA1.2



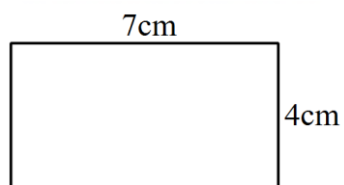
1) Work out $7 + 3 \times 2$

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

3) Solve $5x + 2 = -13$

4) Find the median of 2.1, 8.4, 13.0, 2.5, 9.3

5) Calculate the perimeter of this rectangle





- 1) Expand and simplify $5(5x + 4) - 4(x + 2)$
- 2) Solve the equation $3(2x + 5) = 39$
- 3) Work out $£585 \div 13$
- 4) Express 140 as a product of prime factors
- 5) Find the n th term of the sequence 5, 14, 23, 32, ...



- 1) Find 35% of 220

- 2) Complete 230mm 60cm

- 3) Work out the value of $28 - 2a$ when $a = 5$

- 4) Work out 0.04×0.7

- 5) Simplify the ratio 3kg : 800g

FA3.1



1) Solve the equation $3x - 4 = -19$

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

3) Work out $87 \div 5$

4) Find 25% of £62

5) Divide £40 in the ratio 5:3



- 1) Work out $5 + 4 \times 3^2$
- 2) If the n^{th} term of a sequence is $6n - 11$, what is the 10^{th} term?
- 3) Factorise $20 - 4x$ and factorise fully $6x - 9x^2$
- 4) Express 1000 as a product of its prime factors
- 5) How much change from £10 would you get if you spent £3.19 and £1.57?

FA4.1



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

2) Round 953 to 1 significant figure

3) Work out $\frac{2}{3} \div \frac{3}{4}$

4) Factorise fully $20x^2 - 15x$

5) Express 180 as a product of prime factors



- 1) Work out 306×74
- 2) Express $\frac{7}{20}$ as a percentage
- 3) What is the 5th square number?
- 4) Find 15% of £240
- 5) Calculate the circumference of a circle with radius 5cm.
Leave your answer in terms of π

FA5.1



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

- 2) By rounding each number to one significant figure,
estimate $\frac{7.6 - 2.836}{0.5386}$

- 3) Increase £540 by 15%

- 4) Find the n th term of this sequence 0, -4, -8, -12, ...

- 5) Solve the equation $10x + 7 = -7$

FA5.2



- 1) Work out the value of $2x^2$ when $x = 5$
- 2) Expand and simplify $5(4a - b) - 2(a + 7b)$
- 3) Work out $61 \times 0 \cdot 33$
- 4) Work out $20 - 5 + 3 \times 2$
- 5) Work out $\frac{4}{7}$ of 252

FA6.1



- 1) Solve $4x + 9 \leq 1$ and display the solution on a number line

- 2) Work out $72 \div 0.3$

- 3) Express $\frac{6}{25}$ as a percentage

- 4) Factorise fully $32x - 12x^2$

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



1) Express 120 as a product of primes

2) Decrease £360 by 15%

3) Work out three sevenths of 392

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

$$\frac{36.4 \times 11.3}{2.173}$$

5) Work out the value of $12 + 4x^2$ when $x = -3$