



- 1) Express 63 as a product of prime factors
  
  
  
  
  
  
  
  
  
  
- 2) Find the 50<sup>th</sup> term of the sequence 6, 10, 14, 18, ...
  
  
  
  
  
  
  
  
  
  
- 3) Work out  $10 - 8 + 3 \times 2$
  
  
  
  
  
  
  
  
  
  
- 4) Work out  $448.5 \div 1.3$
  
  
  
  
  
  
  
  
  
  
- 5) Work out  $73.6 \times 0.58$



- 1) Work out  $2\frac{2}{5} + 3\frac{3}{4}$
- 2) Increase £330 by 20%
- 3) Expand and simplify  $3(5x + 6) - 2(x + 5)$
- 4) Solve  $2x - 6 = 5x + 9$
- 5) Work out the value of  $5 - 3d$  when  $d = -5$





- 1) Work out  $3\frac{1}{4} \div 1\frac{2}{3}$
- 2) Decrease £560 by 20%
- 3) Expand and simplify  $2(4x + 5) - 2(3 - 2x)$
- 4) Solve  $6x + 3 = 7 - 4x$
- 5) Work out the value of  $3c^2$  when  $c = 2$

- 1) Express 216 as a product of prime factors and hence show if it is a square or a cube number
- 2) Find the 50<sup>th</sup> term of the sequence -4, 5, 14, 23, ...
- 3) Work out  $2 \times 3^2 - 4 + 5 \times 6$
- 4) Work out  $43.68 \div 1.2$
- 5) Work out  $0.083 \times 0.17$



- 1) Work out  $2\frac{4}{5} \div 3\frac{1}{3}$
- 2) Decrease £780 by 15%
- 3) Expand and simplify  $4(3x + 2) - (3 - 2x)$
- 4) Solve  $3x - 13 = 7 + 5x$
- 5) Work out the value of  $8 - 2c^2$  when  $c = 3$