

FAA3.1



1) Simplify $x^8 \div x^2$

2) Expand and simplify $(x - 7)(x - 3)$

3) Factorise $x^2 + 5x - 24$

4) Solve simultaneously
 $5x - y = 17$ and $2x + y = 11$

5) If it takes 6 hours for 2 workers to paint a fence, how long would it take 3 workers?

FAA3.2



- 1) A measure is given as 65m to the nearest 5m.
What is the upper bound?
- 2) Work out $\frac{3}{4} \div \frac{2}{7}$ giving your answer as a mixed number
- 3) Round 0.030487 to 2 significant figures
- 4) Does the point (2 , 6) lie on the line $y = 5x - 4$?
- 5) State the exact value of $\cos 45^\circ$

FAA3.3



1) Simplify $6x^8 \div 2x^2$

2) Expand and simplify $(x - 8)(x - 4)$

3) Factorise $x^2 + 13x + 40$

4) Solve simultaneously
 $3x + 2y = 23$ and $4x + 3y = 32$

5) If it takes 6 days for 4 workers to build a garage, how long would it take 3 workers?

FAA3.4



- 1) A measure is given as 6km to the nearest 500m.
What is the lower bound?

- 2) Work out $\frac{4}{5} \div \frac{3}{11}$ giving your answer as a mixed number

- 3) Round 491 to 1 significant figure

- 4) Does the point (3 , 6) lie on the line $y = 3x - 4$?

- 5) State the exact value of $\sin 30^\circ$



- 1) Simplify $(3x^2)^3$
- 2) Expand and simplify $(x - 4)(x - 2)$
- 3) Factorise $x^2 + 9x + 18$
- 4) Solve simultaneously
 $3x + y = 19$ and $x + 4y = 21$
- 5) If it takes 6 days for 6 workers to build a garage, how long would it take 4 workers?

FAA3.6



- 1) A measure is given as 6m to the nearest 10cm.
What is the lower bound?

- 2) Work out $\frac{5}{8} \div \frac{1}{6}$ giving your answer as a mixed number

- 3) Round 0.0347 to 2 significant figures

- 4) Does the point (4 , 3) lie on the line $y = 2x - 5$?

- 5) State the exact value of $\cos 30^\circ$