1) Work out $(6 \times 10^6) \div (3 \times 10^2)$



2) Factorise $x^2 - 16$

3) Find the equation of the straight line passing through the points (0,3) and (2,9)

4) If it takes 3 workers 6 hours to complete a task, how many hours would it take 4 workers?

5) Work out 0.8 ÷ 0.02

1) Factorise $x^2 - 9x + 18$



- 2) Truncate 23.085 correct to 1 decimal place
- 3) Work out $2\frac{1}{3} \div \frac{3}{5}$

4) State the exact value of $\sin 30^{\circ}$

5) Solve simultaneously 2x + y = 5 and 3x - 2y = 18

1) Work out $(5 \times 10^4) \times (3 \times 10^2)$, giving your answer in standard form



2) Factorise $x^2 - 100$

3) Find the equation of the straight line passing through the points (0, -3) and (1,0)

4) If 210g of flour are needed to make 12 cakes, how much flour will be needed for 15 cakes?

5) Factorise $x^2 - 9x + 20$

1) Work out $\frac{0.03 \times 1.2}{0.02}$



- 2) Truncate 17.352 correct to 1 decimal place
- 3) Work out $2\frac{1}{3} + 2\frac{4}{5}$

4) State the exact value of $\tan 30^{\circ}$

5) Solve simultaneously 3x + 3y = 24 and x + 2y = 11

1) Work out $(5 \times 10^4) + (3 \times 10^2)$, giving your answer in standard form



2) Factorise $x^2 - 1$

3) Find the equation of the straight line passing through the points (0, -4) and (2, 6)

4) If 220g of flour are needed to make 12 cakes, how much flour will be needed for 9 cakes?

5) Factorise $x^2 - 10x + 24$

1) Work out $\frac{0.4 \times 0.05}{0.04}$



- 2) Truncate 36.295 correct to 1 decimal place
- 3) Work out $2\frac{2}{9} + 3\frac{5}{6}$

4) State the exact value of $\tan 45^{\circ}$

5) Solve simultaneously 3x + 4y = 11 and x + 5y = 22