1) Work out $\left(6 \times 10^{6}\right) \div\left(3 \times 10^{2}\right)$
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 $0.8 \div 0.02$

FAA6.2

1) Factorise $x^{2}-9 x+18$
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 $2 x+y=5$ and $3 x-2 y=18$
6) Work out $\left(5 \times 10^{4}\right) \times\left(3 \times 10^{2}\right)$, giving your answer in standard form
7) Factorise $x^{2}-100$
8) Find the equation of the straight line passing through the points $(0,-3)$ and $(1,0)$
9) If 210 g of flour are needed to make 12 cakes, how much flour will be needed for 15 cakes?
10) Factorise $x^{2}-9 x+20$

FAA6.4

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 $3 x+3 y=24$ and $x+2 y=11$
6) Work out $\left(5 \times 10^{4}\right)+\left(3 \times 10^{2}\right)$, giving your answer in standard form
7) Factorise $x^{2}-1$
8) Find the equation of the straight line passing through the points $(0,-4)$ and $(2,6)$
9) If 220 g of flour are needed to make 12 cakes, how much flour will be needed for 9 cakes?
10) Factorise $x^{2}-10 x+24$

FAA6.6

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 $3 x+4 y=11$ and $x+5 y=22$
