You will probably need more space for your workings out

1. There are 240 people in the cinema.

   $\frac{1}{3}$ of the 240 people bought adult tickets.

   $\frac{3}{8}$ of the 240 people bought senior tickets.

   The rest of the people bought child tickets

   Work out how many of the people bought child tickets.

2. There are 200 students in year 12 choosing a world language.

   $\frac{3}{5}$ of the 200 students choose Spanish.

   $\frac{1}{8}$ of the 200 students choose Mandarin.

   The rest of the students choose Arabic.

   Work out how many of the students choose Arabic.

3. There were 250 taking part in an everyone-active day at a leisure centre.

   $\frac{1}{5}$ of the 250 people used the gym.

   $\frac{7}{10}$ of the 250 people chose swimming.

   The rest of the people played badminton.

   Work out how many of the people played badminton.

Answers 1 is 70; Answer 2 is 55 and Answer 3 is 25 see below for more detailed workings out

ticket	workings	amount	mark	language	workings	amount	mark
adult	$\frac{1}{3} \times 240$	80	M1	Spanish	$\frac{3}{5} \times 200$	120	M1
senior	$\frac{3}{8} \times 240$	90	M1	Mandarin	$\frac{1}{8} \times 200$	25	M1
child	$240 - 170$	$(80 + 90 = 170)$	M1	Arabic	$200 - 145$	$(120 + 25 = 145)$	M1

sport	workings	amount	mark
gym	$\frac{1}{5} \times 250$	50	M1
swim	$\frac{7}{10} \times 250$	175	M1
badminton	$250 - 225$	$(50 + 175 = 225)$	M1