Q	Mark	Answers	Further information and tips
5	**1** **1**	One of these points marked on the graph and the coordinates written: (–1, –4), (–2, –5), (–3, –6), (–4, –7), (–5, –8). Only award 1 mark if the coordinates **and** mark on graph are correct and accurate. Mark on graph must be within 2mm of correct point. $y = x - 3$	***Interpreting line graphs*** **Tip:** To write the equation remember that for lines moving 1 along and 1 up, the equation is $y = x +$ *a constant*. To find the constant, look for where the line crosses the *y*-axis (for example, when $x = 0$) to see what number is needed.
6	**1** **1**	$\frac{7}{15}$ award the mark even if the fraction isn't in lowest form, e.g. $\frac{14}{30}$ Tea = 4800 Coffee = 8000 Hot chocolate = 11 200 – all three must be correct for 1 mark.	***Finding and calculating fractions*** **Tip:** For the actual calculations, one-third and one-fifth are easiest (just divide 24 000 by 3 and 5) and the remainder must be hot chocolate.
7	**2**	A′ = (–1, 4), B′ = (–1, 2), C′ = (–5, 2) Award **1 mark** if the triangle is reflected correctly **or** if all the corners are labelled correctly, even if the other aspects are incorrect.	***Reflecting shapes*** **Tip:** Look at the mirror line and base all your thinking around that by counting squares to and from it. Only consider the coordinates once the shape is in place and looks correct (remember that reflected shapes are reversed).
8	**2**	Award **1 mark** per fact (up to two) that reveal an accurate interpretation of the data, such as peak year, biggest change, total collected in a decade, consistent increase, trend, and so on. **Do not award marks** for answers that only reveal the amount collected in a year.	***Interpreting bar graphs*** **Tip:** Avoid giving obvious readings. Remember that graphs are generally used for the interpretation and comparison of **sets** of data.
9	**2**	0.105, $\frac{1}{9}$, 12%, $\frac{1}{8}$, 13%, 0.135 Award **1 mark** if four of the six are correct in relation to each other, no matter what the other two show.	***Comparing and ordering fractions, decimals and percentages*** **Tip:** Carefully convert each fraction or percentage to a decimal before ordering them.