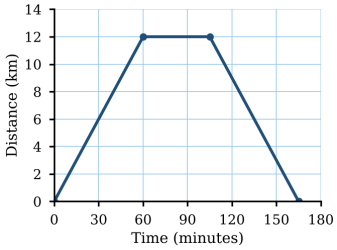
Day 133	B Tier 10-a-day
1 Here are the first four terms of a sequence. 32, 30, 28, 26 (a) Write down the next two terms. (b) Describe the rule for continuing the sequence.	
2 Find the (a) highest common factor (HCF), (b) lowest common multiple (LCM) of 8 and 12.	
3 Write down the number of faces and edges of a cuboid.	
4 Jo has x books. Ben has 2 more books than Jo. Cara has 4 times as many books as Jo. (a) Write an expression, in terms of x, for the number of books Ben has. (b) Write an expression, in terms of x, for the total number of books the three of them have. Give your answer in its simplest form.	
5 An open box (no lid) is a cuboid measuring 4 cm by 8 cm by 3 cm. The base is 4 cm by 8 cm. Work out the total area of card needed to make the box.	

Day 133 **B Tier 10-a-day**

6 The graph shows Omar's journey.
(a) How far did Omar travel in the first 60 minutes?
(b) Work out Omar's speed in the last 60 minutes. Give your answer in km/h.



7 Write 1294.3148
(a) correct to 1 decimal place,
(b) correct to 2 significant figures.

8 £1 = 1.1 dollars
A holiday costs $44.
Work out the cost in pounds.

9 Triangle ABC has angles of 35° and 80°, and a side of 7 mm between them.
Triangle XYZ has angles of 80° and 35°, and a side of 7 mm between them.
Are the two triangles congruent?
Give a reason for your answer.

10 Leah has $\frac{4}{5}$ of £40.
Priya has 25% of £80.
Who has more money? You must show your working.