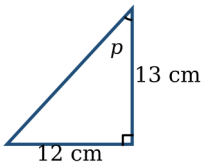
Day 283 **B Tier 10-a-day**

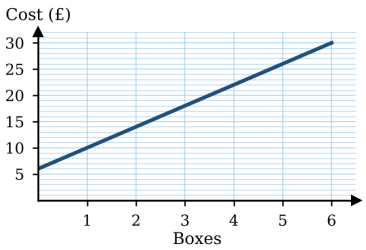
1 Kira types at 50 words per minute.
(a) How many words does Kira type in 12 minutes?
(b) How long does Kira take to type 1800 words?

2 Find the size of angle p. (Calculator)
Give your answer correct to 1 decimal place.
The diagram is not drawn accurately.



3 A club has 4 members.
They choose a captain and a vice-captain from the members.
The two jobs must be done by different people.
How many different ways can the jobs be given out?

4 A printing company charges a set-up fee plus a cost for each box of leaflets.
The graph shows the total cost.
(a) Write down the fixed charge.
(b) Work out the cost for each box.



5 Kofi is paid £15.50 per hour for a 30 hour week. (Calculator)
Overtime is paid at time and a half.
In one week he works 4 hours of overtime.
Work out his total pay for that week.

Day 283	B Tier 10-a-day
6 In a room, the ratio of small boxes to large boxes is 4 : 7. There are 42 large boxes. More small boxes join so that there are equal numbers of small boxes and large boxes. How many small boxes join?	
7 Write these in order of size. Start with the smallest. 80%, $\frac{3}{20}$, $\frac{3}{5}$, 82.5%	
8 A straight line has gradient 3 and passes through the point (5, 3). Find the equation of the line.	
9 The price of a laptop is £400. The price is first increased by 5%, then the new price is increased by 30%. (a) Work out the final price. (b) Work out the overall percentage increase in the price.	
10 In triangle PQR, PQ = 15 cm, QR = 16 cm and angle PQR = 110°. (Calculator) Work out the area of the triangle. Give your answer correct to 1 decimal place.	