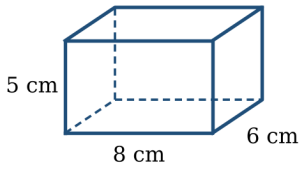
Day 289 **C Tier 10-a-day**

1 The diagram shows a cuboid.
Work out the volume of the cuboid.
The diagram is not drawn accurately.

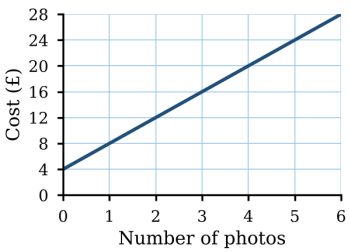


2 A fair 10-sided dice numbered 1 to 10 is rolled.
Write down the probability of rolling
(a) a multiple of 4
(b) a number greater than 4

3 Here are the first four terms of a sequence.
27, 39, 51, 63
Write down the next term.

4 Work out $\frac{1}{2}$ of 16 metres.

5 The graph shows the cost of printing photos.
(a) Work out the cost of printing 5 photos.
(b) Max spends £8 printing photos. How many photos does Max print?



Day 289	C Tier 10-a-day
6 A coin is flipped 100 times and lands on heads 7 times. Estimate the probability that it lands on heads next time. Give your answer as a fraction in its simplest form.	
7 The diagram shows the first three patterns in a sequence made by Beth. Each pattern is made from dots. How many dots are in Pattern 5?  	
8 17 sweets are shared equally between 3 children. (a) How many does each child get? (b) How many are left over?	
9 A rectangular play area is 12 m long and 9 m wide. Fencing costs £10 per metre. Work out the cost of putting fence all the way round the play area.	
10 20 students were asked about their favourite sport. 2 of them chose football. The results are shown in a pie chart. Work out the angle of the sector for those students.	