Day 46	B Tier 10-a-day
1 Here are the numbers of text messages received on some days. 5, 20, 24, 13, 6, 15, 25, 8 Work out the mean.	
2 n is an integer. Write down all the values of n for which $-3 \leq n \leq 0$	
3 Write these in order of size. Start with the smallest. 45%, 0.2, $\frac{3}{4}$, 0.4	
4 A bus leaves at 10:45 am. It travels 180 km at an average speed of 60 km/h. At what time does it arrive?	
5 Tom is paid £10 per hour for a 35 hour week. (Calculator) Overtime is paid at double time. In one week he works 7 hours of overtime. Work out his total pay for that week.	

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6 The area of a circle is 40 cm^2. (Calculator) Work out the radius of the circle. Give your answer correct to 1 decimal place.	
7 Show that the sum of 5 consecutive whole numbers is always a multiple of 5.	
8 A drum has radius 5 cm and height 9 cm. (Calculator) It is closed. Work out the total outside surface area. Give your answer correct to 1 decimal place.	
9 A cafe sells cakes and drinks. All cakes cost the same and all drinks cost the same. 1 cake and 1 drink cost £6. 2 cakes and 1 drink cost £8. Work out the cost of one cake and the cost of one drink.	
10 There are 5.8×10^6 cells in a sample. The number doubles every day. How many are there after 6 days? Give your answer in standard form.	