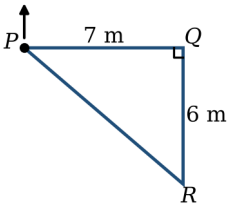
Day 363	B Tier 10-a-day
1 Write these numbers in order of size. Start with the smallest number. 5.1, 5.15, 5.29, 5.157	
2 The ratio of pencils to pens among the items in a case is 9 : 8. There are 54 pencils. How many pens are there?	
3 Solve $3x + 8 = -16$	
4 Work out (a) $\frac{1}{2} \times \frac{5}{7}$ (b) $\frac{2}{5} \div \frac{1}{3}$ Give each answer in its simplest form.	
5 A rectangular pond is 14 m by 12 m. There is a path of width 1 m all the way round the outside of the pond. Work out the area of the path.	

Day 363	B Tier 10-a-day
6 Tom invests £3,000 for 3 years at 2% simple interest per year. Work out the total interest he earns.	
7 A is the point (−7, 9) and B is the point (−7, −3). Find the coordinates of the midpoint of AB.	
8 The price of a meal including VAT at 20% is £72. (Calculator) Work out the price of the meal before VAT was added.	
9 A boat sails 7 m on a bearing of 090° from P to Q, then 6 m on a bearing of 180° to R. (Calculator) (a) Work out the distance PR. (b) Work out the bearing of R from P. Give your answers correct to 1 decimal place. 	
10 Two fair dice, numbered 1 to 5 and 1 to 6, are rolled. Work out the probability that the product of the two scores is 12 or more.	