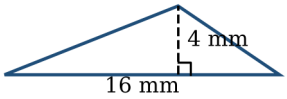
Day 135	B Tier 10-a-day
1 Work out the area of the triangle. The diagram is not drawn accurately.  	
2 The ratio of pencils to pens among the items in a case is 8 : 3. There are 9 pens. How many pencils are there?	
3 WXYZ is a parallelogram. Angle ZWX = 76°. (a) Write down the size of angle XYZ. (b) Work out the size of angle WXY.	
4 Work out (a) 7.1 × 0.9 (b) 0.35 × 8	
5 A stone has a mass of 75 g and a volume of 30 cm^3. Work out its density. Give your answer in g/cm^3.	

Day 135	B Tier 10-a-day
6 Hannah invests £1500 for 4 years. The account pays 3% simple interest per year. (a) Work out the interest earned each year. (b) Work out the total amount in the account after 4 years.	
7 The circumference of a circle is 18 cm. (Calculator) Work out the diameter of the circle. Give your answer correct to 1 decimal place.	
8 Find the (a) highest common factor (HCF), (b) lowest common multiple (LCM) of 45 and 35.	
9 Show that $(2n + 3)^2 - (2n - 3)^2$ is a multiple of 24 for any whole number n.	
10 Solve $x^2 - 13x + 42 = 0$	