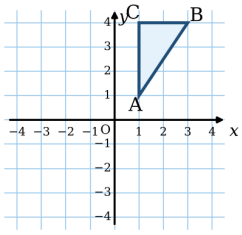
Day 132	B Tier 10-a-day
1 Work out the value of $6a - 4b$ when $a = -6$ and $b = 5$	
2 The diagram shows triangle ABC on a grid. (a) Write down the coordinates of the image of C after a reflection in the line $y = 1$. (b) Write down the coordinates of the image of B after a reflection in the line $x = 1$. 	
3 A car uses 30 litres of petrol to travel 240 km. Work out how many kilometres it travels on each litre of petrol.	
4 Each interior angle of a regular polygon is 156°. Work out the number of sides of the polygon.	
5 Aisha earns £12 per hour for the first 30 hours worked each week. Any extra hours are paid at double time. Last week Aisha worked 36 hours. Work out Aisha's total pay for last week.	

Day 132	B Tier 10-a-day
6 Simplify fully (a) 5p × 5p (b) 30pq ÷ 5p	
7 The length of a pencil is 15.53 cm, correct to 2 decimal places. Write down the error interval for the length. Use the letter L.	
8 A cylinder has radius 5 cm and height 4 cm. Work out its volume. Give your answer in terms of π.	
9 A bag contains 2 mint sweets and 3 toffee sweets. Amy takes one at random and does not replace it, then takes a second. Work out the probability that both are mint.	
10 In a sale, the price of a sofa is reduced by 50%. (Calculator) Two weeks later it is reduced by a further 20% of the new price. The final price is £80. Work out the original price of the sofa.	