Day 208	B Tier 10-a-day
1 Two rectangles are joined to make a shape. The first is 14 cm by 5 cm. The second is 5 cm by 4 cm. Work out the total area of the shape.	
2 Work out the value of $2a + 3b$ when $a = -3$ and $b = 3$	
3 In a pie chart showing the answers of 72 people, the angle for netball is 30°. How many people chose netball?	
4 Kofi is paid £8 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.	
5 A right-angled triangle has one angle of 21°. Work out the size of the other acute angle.	

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6 A photographer charges £28 plus £6 for each hour of a wedding. (a) Work out the total cost for 6 hours. (b) The total cost is £58. Work out the number of hours.	
7 Maya invests £200 in an account paying 10% compound interest per year. (Calculator) Work out the value of her investment after 3 years.	
8 Make q the subject of the formula $p = 7q - 5$	
9 A spinner has coloured sections. It is spun 400 times and lands on green 60 times. What is the relative frequency of green? Give your answer as a decimal.	
10 The time of a race is 54.8 seconds, correct to 1 decimal place. Write down the error interval for the time. Use the letter t.	