Day 188	B Tier 10-a-day
1 7 apples cost £5.60. (a) Work out the cost of 5 apples. (b) How many apples can be bought for £2.40?	
2 Here is a list of numbers. 69, 54, 62, 88, 41, 70, 31, 67 From the list, write down (a) a multiple of 7 (b) an odd number that is not prime	
3 A photographer charges £22 plus £7 for each hour of a wedding. (a) Work out the total cost for 7 hours. (b) The total cost is £127. Work out the number of hours.	
4 Two buses leave a bus station at 11:00. One bus leaves every 30 minutes. The other bus leaves every 9 minutes. At what time do both buses next leave together?	
5 The stem and leaf diagram shows 12 values. (a) Find the median. (b) Work out the range. **Stem** | **Leaf** 2 | 5 8 3 | 0 3 5 6 4 | 1 2 3 7 8 9 Key: 2 | 5 means 25	

Day 188	B Tier 10-a-day
6 Work out (a) 4^{-2} (b) $11^{0} + \sqrt{4}$	
7 A triangle has sides of length 26 mm, 24 mm and 7 mm. Is the triangle right-angled? You must show your working.	
8 Here is a formula. P = 2l + 2w Work out the value of P when l = 6 and w = 3	
9 In triangle PQR, PQ = 7 cm, QR = 20 cm and angle PQR = 130°. (Calculator) Work out the area of the triangle. Give your answer correct to 1 decimal place.	
10 A takeaway sells burgers and portions of chips. 1 burger and 3 portions of chips cost £6. 2 burgers and 3 portions of chips cost £9. Work out the cost of one burger and the cost of one portion of chips.	