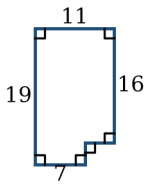
Day 144	B Tier 10-a-day
1 The mean of 5 numbers is 26. Four of the numbers are 21, 31, 25, 27. Work out the fifth number.	
2 How many lines of symmetry does a parallelogram have?	
3 Write down all the common factors of 20 and 28.	
4 (a) Solve $1 < 3x - 5 < 10$ (b) Write down the integer values of x that satisfy this inequality.	
5 Use the fact that $22 \times 26 = 572$ to work out (a) 2200×2.6 (b) $5720 \div 2.2$	

Day 144 **B Tier 10-a-day**

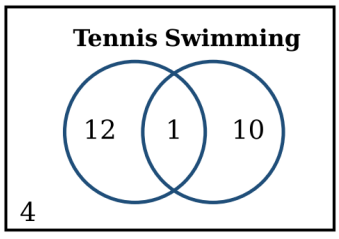
6 City E has a population of 1,800.
Its area is 30 km^2.
Work out the population density.
Give your answer in people per km^2.

7 Line L has equation $y = -x + 6$
Line M is parallel to line L and passes through the point $(-4, 3)$.
Find the equation of line M.

8 The diagram shows the shape of a stage.
All the corners are right angles. All lengths are in cm.
(a) Calculate the perimeter.
(b) Calculate the area.



9 The Venn diagram shows information about 27 students in a class.
One of them is chosen at random.
Find the probability that the person chose neither Tennis nor Swimming.



10 Work out
(a) $\frac{5}{8} \times \frac{4}{5}$
(b) $\frac{8}{9} \div \frac{7}{8}$
Give each answer in its simplest form.