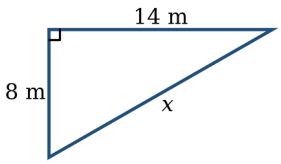
Day 164	B Tier 10-a-day
1 A kite flies at 28 metres per second. Work out this speed in kilometres per hour.	
2 Each interior angle of a regular polygon is 160°. Work out the number of sides of the polygon.	
3 Estimate the value of $\frac{48.4}{0.506} + 6.74$ Show your rounding to 1 significant figure.	
4 £1 = 1.15 dollars A holiday costs $230. Work out the cost in pounds.	
5 Work out the length of x. (Calculator) Give your answer correct to 1 decimal place. The diagram is not drawn accurately. 	

Day 164	B Tier 10-a-day
6 Factorise $a^2 + 8a$	
7 Work out (a) $\frac{5}{8} \times \frac{2}{9}$ (b) $\frac{2}{3} \div \frac{8}{9}$ Give each answer in its simplest form.	
8 Solve the simultaneous equations $x + y = 6$ $2x - y = 9$	
9 F is directly proportional to m. When m = 6, F = 30. Find a formula for F in terms of m.	
10 There are 9.7×10^5 fish in a lake. The number triples every day. How many are there after 3 days? Give your answer in standard form.	