**Day 303** **B Tier 10-a-day**

**1** Write these numbers in order of size.
Start with the smallest number.
2.61, 2.7, 2.79, 2.763

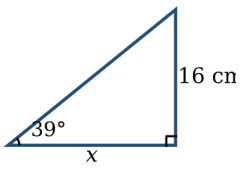
**2** A regular polygon has 15 sides.
(a) Work out the size of one exterior angle.
(b) Work out the size of one interior angle.

**3** Solve $p - 19 = 1$

**4** The table shows the goals scored in each match by a team.
(a) Write down the mode.
(b) Work out the median.

| Goals | 0 | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| Frequency | 8 | 2 | 3 | 3 | 9 | 10 |

**5** Work out 181 × 16

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|---|---|
| **6** The probability that Amy is late for school on any day is 0.3.<br>The probability that Ben is late on any day is 0.8.<br>Whether each is late is independent of the other.<br>Work out the probability that at least one of them is late on Monday. | |
| **7** Write these numbers in order of size.<br>Start with the smallest.<br>$8.7 \times 10^0$, 0.006, $6.7 \times 10^{-2}$, $9.4 \times 10^6$ | |
| **8** Solve the simultaneous equations<br>$x + 2y = 11$<br>$2x + y = 7$ | |
| **9** Work out the length of x. (Calculator)<br>Give your answer correct to 1 decimal place.<br>The diagram is not drawn accurately.<br> | |
| **10** Triangle ABC is isosceles with AB = AC = 5 cm.<br>The base BC = 8 cm.<br>(a) Work out the perpendicular height of the triangle.<br>(b) Work out the area of the triangle. | |