

Question	Answer
1	<p>B 11 minutes</p> <p>The bus leaving Wales Farm at 13:10 reaches Willesden at 13:21. This is 11 minutes.</p>
2	<p>D 20%</p> <p>$2/10 = 20/100 = 20\%$.</p>
3	<p>D 45 litres</p> <p>Using the graph, 5 gallons = 22.5 litres. So, 10 gallons = 45 litres.</p>
4	<p>B £36</p> <p>Normal cost = $8 \times 5 = £40$ 10% of £40 = £4. $40 - 4 = £36$</p>
5	<p>D 135°</p> <p>This is an obtuse angle. 135° is the only obtuse angle in the list.</p>
6	<p>E 15</p> <p>$90 \div 6 = 15$</p>
7	<p>A 11 mins</p> <p>Calculate the mean. $15 + 7 + 12 + 11 + 10 = 55$ minutes in total $55 \div 5 = 11$ mins on average.</p>
8	<p>C £3.50</p> <p>250 is 2.5 times greater than 100. $2.5 \times 1.4 = 3.50$.</p>
9	<p>C 0.032</p> <p>Move the decimal 3 places to the left.</p>
10	<p>D 150 years</p> <p>In 1800 the population was 10 million. In 1950 the population was 45 million. $1950 - 1800 = 150$ years.</p>
11	<p>E 63</p> <p>$72 \div 8 = 9$ marbles are taken out. $72 - 9 = 63$ marbles left.</p>
12	<p>D 7608</p>
13	<p>D They are all square numbers</p>

	$4 = 2^2$ $81 = 9^2$ $144 = 12^2$																																								
14	<p style="text-align: center;">A 177 cm</p> $153 + 24 = 177 \text{ cm}$																																								
15	<p style="text-align: center;">B 4.55 litres</p> $7 \times 650 = 4500 \text{ ml}$ $4500 \div 1000 = 4.55 \text{ L}$																																								
16	E 64																																								
17	<p style="text-align: center;">A 21</p> 3 parts red apples + 1 part green apples = 4 parts in total. $28 \div 4 = 7$ 1 part $7 \times 3 = 21$ red apples.																																								
18	<p style="text-align: center;">C 175</p> $10\% = 250 \div 10 = 25$ $25 \times 7 = 175$																																								
19	<p style="text-align: center;">D 20</p> The lowest common multiple of 5 and 4 is 20.																																								
20	C 1275																																								
21	<p style="text-align: center;">D 8.75</p> Both inputs are 10 times smaller so the output must be 100 times smaller when multiplying.																																								
22	<p style="text-align: center;">B 35 boxes</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr><td></td><td></td><td>0</td><td>3</td><td>5</td></tr> <tr><td>2</td><td>2</td><td>7</td><td>7</td><td>0</td></tr> <tr><td></td><td>-</td><td>0</td><td></td><td></td></tr> <tr><td></td><td></td><td>7</td><td>7</td><td></td></tr> <tr><td></td><td>-</td><td>6</td><td>6</td><td></td></tr> <tr><td></td><td></td><td>1</td><td>1</td><td>0</td></tr> <tr><td></td><td>-</td><td>1</td><td>1</td><td>0</td></tr> <tr><td></td><td></td><td></td><td></td><td>0</td></tr> </tbody> </table>			0	3	5	2	2	7	7	0		-	0					7	7			-	6	6				1	1	0		-	1	1	0					0
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23	<p style="text-align: center;">B 4 hours</p> Rain covers one third of the pie chart. $12 \div 3 = 4$ hours.																																								

24	<p>A 33</p> <p>$33 \times 100 = 3300$. So, 33×99 will simply be 33 less than 3300.</p>
25	<p>B 8 children</p> <p>20 children took the bus which is 5 blocks. Each block is $20 \div 5 = 4$ children. The difference between bicycle and car is 2 blocks which is 8 children.</p>
26	<p>D 4.5 kg</p> <p>$5 \times 3.7 = 18.5$ $4 \times 3.5 = 14$ $18.5 - 14 = 4.5$ kg</p>
27	<p>B 25%</p> <p>One quarter of the circle is shaded. This is 25%.</p>
28	<p>B 8071</p>
29	<p>C 50 ships</p> <p>Dock A has $3 \times 20 = 60$ ships. Dock C has $20 \div 2 = 10$ ships. $60 - 10 = 50$ ships.</p>
30	<p>A 3 thousands</p>
31	<p>C (6 , 3)</p>
32	<p>D 96</p> <p>The number doubles every term. $48 \times 2 = 96$.</p>
33	<p>C 2948</p> <p>$3048 - 100 = 2948$</p>
34	<p>C 30 sweets</p> <p>$1 - \frac{3}{8} = \frac{5}{8}$ sweets left. $48 \div 8 \times 5 = 30$ sweets left.</p>
35	<p>D 18 numbers</p> <p>The numbers you can make are: 333, 335, 343, 345, 353, 355, 433, 435, 443, 445, 453, 455, 533, 535, 543, 545, 553, 545. 18 numbers.</p>
36	<p>E 10 hours</p> <p>Watching TV = 7 hours Reading = 3 hours $7 + 3 = 10$ hours</p>

37	B 20 weeks $35 \div 2 = 17.5$ So, $35 \div 20 = 1.75$
38	D 8 squares Area of small square = $2 \times 2 = 4 \text{ cm}^2$ Area of large rectangle = $8 \times 4 = 32 \text{ cm}^2$ $32 \div 4 = 8$ squares will fit.
39	B 20 cm Centre of the circle to the circumference is the radius. The radius is half of the diameter. Radius = $40 \div 2 = 20 \text{ cm}$
40	B (2 , -5) Reflection in the y-axis would move x to (2 , 5) Then, reflection in the x-axis would move x to (2 , -5)
<i>Total</i>	/40
