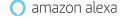
## 11+ GL Mathematics Paper 1 Answers

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



	4 = 2 <sup>2</sup> 81 = 9 <sup>2</sup> 144 = 12 <sup>2</sup>
14	<b>A</b> 177 cm
15	<b>B</b> 4.55 litres 7 x 650 = 4500 ml 4550 ÷ 1000 = 4.55 L
16	<b>E</b> 64
17	A 21 3 parts red apples + 1 part green apples = 4 parts in total. 28 ÷ 4 = 7 1 part 7 x 3 = 21 red apples.
18	<b>C</b> 175 10% = 250 ÷ 10 = 25 25 x 7 = 175
19	<b>D</b> 20 The lowest common multiple of 5 and 4 is 20.
20	<b>C</b> 1275
21	D 8.75  Both inputs are 10 times smaller so the output must be 100 times smaller when multiplying.
22	B 35 boxes    0 3 5   2 2 7 7 0   - 0   7 7   - 6 6   1 1 0   - 1 1 0   0
23	<b>B</b> 4 hours  Rain covers one third of the pie chart.  12 ÷ 3 = 4 hours.



	1
24	<b>A</b> 33 33 x 100 = 3300.
25	So, 33 x 99 will simply be 33 less than 3300. <b>B</b> 8 children
	20 children took the bus which is 5 blocks. Each block is 20 ÷ 5 = 4 children. The difference between bicycle and car is 2 blocks which is 8 children.
26	<b>D</b> 4.5 kg 5 x 3.7 = 18.5 4 x 3.5 = 14 18.5 - 14 = 4.5 kg
27	<b>B</b> 25% One quarter of the circle is shaded. This is 25%.
28	<b>B</b> 8071
29	C 50 ships  Dock A has 3 x 20 = 60 ships.  Dock C has 20 ÷ 2 = 10 ships.  60 - 10 = 50 ships.
30	A 3 thousands
31	<b>C</b> (6, 3)
32	<b>D</b> 96 The number doubles every term. $48 \times 2 = 96$ .
33	<b>C</b> 2948
34	C 30 sweets $1 - \frac{3}{8} = \frac{5}{8}$ sweets left. 48 ÷ 8 x 5 = 30 sweets left.
35	<b>D</b> 18 numbers 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.
36	E 10 hours Watching TV = 7 hours Reading = 3 hours 7 + 3 = 10 hours



37	<b>B</b> 20 weeks 35 ÷ 2 = 17.5 So, 35 ÷ 20 = 1.75
38	D 8 squares  Area of small square = 2 x 2 = 4 cm <sup>2</sup> Area of large rectangle = 8 x 4 = 32 cm <sup>2</sup> 32 ÷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 ÷ 2 = 20 cm
40	<b>B</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)
Total	/40

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