2.4 Decimals: 30-minute Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out 31 + 56.9.

- [ ] A) 879
- [ ] B) 87.9
- [ ] C) 86.9
- [ ] D) -25.9
- [ ] E) 36.69

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2 Work out 58.8 / 0.6.

- [ ] A) 98
- [ ] B) 980
- [ ] C) 35.28
- [ ] D) 97
- [ ] E) 9.8

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3 Work out 51.43 + 42.3.

- [ ] A) 93.73
- [ ] B) 94.73
- [ ] C) 9.13
- [ ] D) 55.66
- [ ] E) 93.83

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4 Work out 862.1 - 49.4.

- [ ] A) 8,127
- [ ] B) 857.16
- [ ] C) 812.8
- [ ] D) 911.5
- [ ] E) 812.7

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5 Work out 6.5 x 0.6.

- [ ] A) 4.9
- [ ] B) 0.039
- [ ] C) 39
- [ ] D) 3.9
- [ ] E) 0.39

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6 Work out 0.88 x 9.2.

- [ ] A) 0.08096
- [ ] B) 8.096
- [ ] C) 0.8096
- [ ] D) 80.96
- [ ] E) 7.096

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7 Work out 0.58 x 2.

- [ ] A) 2.58
- [ ] B) 0.116
- [ ] C) 1.16
- [ ] D) 2.16
- [ ] E) 11.6

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8 Work out 3 x 0.8.

- [ ] A) 0.24
- [ ] B) 24
- [ ] C) 240
- [ ] D) 2.4
- [ ] E) 3.8

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9 Work out 4 x 2.6.

- [ ] A) 104
- [ ] B) 11.4
- [ ] C) 9.4
- [ ] D) 1.04
- [ ] E) 10.4

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10 Work out 23.6 / 4.

- [ ] A) 94.4
- [ ] B) 0.59
- [ ] C) 5.9
- [ ] D) 59
- [ ] E) 6.9

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11 Work out 2.2 x 6.

- [ ] A) 132
- [ ] B) 13.2
- [ ] C) 12.2
- [ ] D) 8.2
- [ ] E) 1.32

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12 Work out 29.4 + 4.84.

- [ ] A) 34.24
- [ ] B) 34.34
- [ ] C) 29.884
- [ ] D) 342.4
- [ ] E) 24.56

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13 Work out 54 + 58.3.

- [ ] A) 59.83
- [ ] B) 112.4
- [ ] C) -4.3
- [ ] D) 112.3
- [ ] E) 111.3

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14 Work out 753.8 + 5.38.

- [ ] A) 759.18
- [ ] B) 748.42
- [ ] C) 754.338
- [ ] D) 760.18
- [ ] E) 7,591.8

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15 Work out 26.27 + 1.24.

- [ ] A) 275.1
- [ ] B) 27.61
- [ ] C) 27.51
- [ ] D) 25.03
- [ ] E) 26.394

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16 Work out 96.62 + 27.4.

- [ ] A) 124.12
- [ ] B) 124.02
- [ ] C) 69.22
- [ ] D) 99.36
- [ ] E) 123.02

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17 Work out 376.1 - 18.6.

- [ ] A) 3,575
- [ ] B) 394.7
- [ ] C) 374.24
- [ ] D) 357.6
- [ ] E) 357.5

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18 Work out 51.45 + 6.73.

- [ ] A) 58.18
- [ ] B) 44.72
- [ ] C) 59.18
- [ ] D) 52.123
- [ ] E) 581.8

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19 Work out 767.3 + 8.61.

- [ ] A) 774.91
- [ ] B) 768.161
- [ ] C) 775.91
- [ ] D) 758.69
- [ ] E) 7,759.1

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20 Work out 6.8 x 0.5.

- ☐ A) 340
- ☐ B) 34
- ☐ C) 0.034
- ☐ D) 3.4
- ☐ E) 0.34

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21 Work out 0.482 multiplied by each of the following.

(a) 0.482 x 10 **(1)**

.....

(b) 0.482 x 100 **(1)**

.....

(c) 0.482 x 1000 **(1)**

.....

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22 Priya buys a notebook costing £2.35, a pen costing £0.89 and a ruler costing £1.20. She pays with a £10 note.

(a) Calculate the total cost of the three items. **(2)**

.....

(b) Calculate her change from £10. **(2)**

.....

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23 A car's fuel tank holds 42.5 litres of petrol when full. Petrol costs £1.46 per litre. James starts with a full tank and after a long journey has 12.8 litres of petrol left.

(a) Calculate how much petrol James used on the journey. **(2)**

.....

(b) Calculate the cost of the petrol he used, giving your answer to the nearest penny. **(3)**

.....

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Mark scheme · 2.4 Decimals: 30-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

correct option B (87.9) cao **B1**

Answer: B) 87.9

Question 2

correct option A (98) cao **B1**

Answer: A) 98

Question 3

correct option A (93.73) cao **B1**

Answer: A) 93.73

Question 4

correct option E (812.7) cao **B1**

Answer: E) 812.7

Question 5

correct option D (3.9) cao **B1**

Answer: D) 3.9

Question 6

correct option B (8.096) cao **B1**

Answer: B) 8.096

Question 7

correct option C (1.16) cao **B1**

Answer: C) 1.16

Question 8

correct option D (2.4) cao **B1**

Answer: D) 2.4

Question 9

correct option E (10.4) cao **B1**

Answer: E) 10.4

Question 10

correct option C (5.9) cao **B1**

Answer: C) 5.9

Question 11

correct option B (13.2) cao **B1**

Answer: B) 13.2

Question 12

correct option A (34.24) cao **B1**

Answer: A) 34.24

Question 13

correct option D (112.3) cao **B1**

Answer: D) 112.3

Question 14

correct option A (759.18) cao **B1**

Answer: A) 759.18

Question 15

correct option C (27.51) cao **B1**

Answer: C) 27.51

Question 16

correct option B (124.02) cao **B1**

Answer: B) 124.02

Question 17

correct option E (357.5) cao **B1**

Answer: E) 357.5

Question 18

correct option A (58.18) cao **B1**

Answer: A) 58.18

Question 19

correct option C (775.91) cao **B1**

Answer: C) 775.91

Question 20

correct option D (3.4) cao **B1**

Answer: D) 3.4

Question 21

(a) 4.82 cao **B1**

(a) Answer: 4.82

(b) 48.2 cao **B1**

(b) Answer: 48.2

(c) 482 cao **B1**

(c) Answer: 482

Question 22

(a) 2.35 + 0.89 + 1.20 seen, or a correct part sum **M1**

(a) £4.44 cao **A1**

(a) Answer: £4.44

(b) 10 - 4.44 seen, ft from part (a) **M1**

(b) £5.56 cao **A1**

(b) Answer: £5.56

Question 23

(a) 42.5 - 12.8 seen **M1**

(a) 29.7 litres cao **A1**

(a) Answer: 29.7 litres

(b) 29.7 x 1.46 seen, ft from part (a) **M1**

(b) correct method to evaluate the product, e.g. 29.7 x 1 + 29.7 x 0.4 + 29.7 x 0.06 **M1**

(b) £43.36 awrt, from 43.362 **A1**

(b) Answer: £43.36

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