ENGLAND GCSE MATHS AQA FOUNDATION · UNIT 2 · 25 QUESTIONS

Fractions, Decimals, Percentages, Measures and Accuracy — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button so it can be fixed.

1 **An ice cream cone costs £1.60. The price increases by 25%. What is the new price?**

- A £1.20
- B £2
- C £2.50
- D £2.10

Understand It with Pulse | Flag a mistake

2 **A cheese pizza is cut into 8 equal slices. 3 slices are eaten. What fraction of the cheese pizza is left?**

- **A** $\frac{1}{8}$
- **B** $\frac{3}{4}$
- **C** $\frac{3}{8}$
- **D** $\frac{5}{8}$

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3 **A chocolate cake is cut into 12 equal slices. 2 slices are eaten. What fraction of the cake has been eaten?**

- **A** $\frac{5}{6}$
- **B** $\frac{1}{7}$
- **C** $\frac{1}{6}$
- **D** $\frac{1}{4}$

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4 A box holds 18 eggs. $\frac{1}{4}$ of the eggs are cracked. How many eggs are not cracked?

- **A** 4
- **B** 16
- **C** 12
- **D** 14

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5 A sandwich is cut into 4 equal triangles. 1 triangles are eaten. What fraction of the sandwich is left?

- **A** $\frac{1}{4}$
- **B** $\frac{1}{2}$
- **C** $\frac{3}{4}$
- **D** 1

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6 There are 400 silver coins. 5% of them are old. How many old silver coins are there?

- A 60
- B 385
- C 10
- D 20

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7 Write 0.35 as a fraction in its simplest form

- A $\frac{7}{20}$
- B $\frac{3}{5}$
- C $\frac{2}{5}$
- D $\frac{3}{10}$

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8 **1/3 + 1/3 is equal to**

- **A** $\frac{5}{6}$
- **B** $\frac{10}{21}$
- **C** $\frac{2}{3}$
- **D** $\frac{1}{3}$

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9 **A price of £60 decreases by 20%. The new price is**

- **A** £53
- **B** £48
- **C** £72
- **D** £43

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10 **2500 ml is litres**

A 25

B 250

C 2.5

D 3.5

Understand It with Pulse | Flag a mistake

11 **5.4 ÷ 0.4 is equal to**

A 135

B 13.5

C 1.35

D 14.5

Understand It with Pulse | Flag a mistake

12 **Work out $\frac{3}{8}$ of 96**

A 60

B 48

C 12

D 36

Understand It with Pulse | Flag a mistake

13 **Simple interest on £1000 at 5% per year for 2 years is**

A £200

B £50

C £100

D £150

Understand It with Pulse | Flag a mistake

14 **A bag holds 12 lemons. 4 lemons are used to make lemonade. What fraction of the lemons is left?**

- **A** $\frac{1}{3}$
- **B** $\frac{1}{2}$
- **C** $\frac{2}{3}$
- **D** $\frac{3}{4}$

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15 **Work out 75% of 160**

- **A** 120
- **B** 60
- **C** 40
- **D** 125

Understand It with Pulse | Flag a mistake

16 $1 \times \frac{1}{2}$ is equal to

A 1

B $\frac{1}{4}$

C $\frac{3}{4}$

D $\frac{1}{2}$

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17 In a sale a jacket is reduced by 25% to £90. What was the price before the sale?

A £112

B £120

C £110

D £130

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18 **Write 0.45 as a fraction in its simplest form**

- **A** $\frac{9}{20}$
- **B** $\frac{7}{10}$
- **C** $\frac{1}{2}$
- **D** $\frac{2}{5}$

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19 **1/4 + 3/4 is equal to**

- **A** $\frac{7}{6}$
- **B** 1
- **C** $\frac{1}{2}$
- **D** $\frac{11}{28}$

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20 **A price of £120 increases by 10%. The new price is**

- A £132
- B £137
- C £108
- D £127

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21 **1500 g is kg**

- A 1500
- B 2.5
- C 15
- D 1.5

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22 **7.2 ÷ 0.6 is equal to**

- A 12
- B 1.2
- C 120
- D 13

Understand It with Pulse | Flag a mistake

23 **Work out $\frac{4}{4}$ of 72**

- A 18
- B 0
- C 72
- D 90

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24 **Simple interest on £500 at 4% per year for 2 years is**

A £80

B £20

C £40

D £60

Understand It with Pulse | Flag a mistake

25 **Work out 20% of 420**

A 89

B 336

C 42

D 84

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ANSWER KEY

1. B
2. D
3. C
4. D
5. C
6. D
7. A
8. C
9. B
10. C
11. B
12. D
13. C
14. C
15. A
16. D
17. B
18. A
19. B
20. A
21. D
22. A
23. C
24. C
25. D

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