ENGLAND GCSE MATHS AQA HIGHER · 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 **A cheese pizza is cut into 10 equal slices. 6 slices are eaten. What fraction of the cheese pizza is left?**

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

Understand It with Pulse | Flag a mistake

2 **There are 400 silver coins. 75% of them are old. How many old silver coins are there?**

- A 300
- B 105
- C 340
- D 150

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3 **An ice cream cone costs £1.20. The price increases by 25%. What is the new price?**

- A £1.50
- B £1.70
- C £0.90
- D £2

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4 A box holds 12 eggs. $\frac{1}{3}$ of the eggs are cracked. How many eggs are not cracked?

- **A** 8
- **B** 4
- **C** 10
- **D** 6

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

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6 **A bag holds 12 lemons. 5 lemons are used to make lemonade. What fraction of the lemons is left?**

- **A** $\frac{5}{12}$
- **B** $\frac{7}{16}$
- **C** $\frac{2}{3}$
- **D** $\frac{7}{12}$

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7 **Simple interest on £1000 at 3% per year for 2 years is**

- **A** £30
- **B** £60
- **C** £120
- **D** £90

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8 **In a sale a jacket is reduced by 25% to £30. What was the price before the sale?**

A £40

B £37

C £30

D £50

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9 **2500 g is kg**

A 2.5

B 25

C 2500

D 3.5

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10 **A length is given as 6.25 cm, correct to 2 decimal places. What is the lower bound of the length?**

- **A** 6.25
- **B** 6.24
- **C** 6.255
- **D** 6.245

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11 **A sandwich is cut into 6 equal triangles. 2 triangles are eaten. What fraction of the sandwich is left?**

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

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12 Work out $\frac{2}{6}$ of 48

A 8

B 32

C 24

D 16

Understand It with Pulse | Flag a mistake

13 $\frac{5}{4} \div 1$ is equal to

A $\frac{5}{4}$

B $\frac{3}{2}$

C $\frac{19}{12}$

D 1

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14 **4.8 ÷ 1.2 is equal to**

- A 4
- B 0.4
- C 5
- D 40

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15 **Write $0.\dot{3}$ as a fraction**

- A $\frac{3}{10}$
- B $\frac{1}{4}$
- C $\frac{1}{3}$
- D $\frac{1}{9}$

Understand It with Pulse | Flag a mistake

16 **A price of £60 increases by 5%. The new price is**

A £68

B £57

C £58

D £63

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17 **A length of 30 cm and a width of 4 cm are both measured to the nearest cm. What is the upper bound of length divided by width?**

A 8.71

B 6.56

C 6.78

D 7.5

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18 **Work out 75% of 360**

- A 90
- B 135
- C 275
- D 270

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19 **2/5 + 2/3 is equal to**

- A $\frac{1}{2}$
- B $\frac{37}{30}$
- C $\frac{19}{35}$
- D $\frac{16}{15}$

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20 **Write 0.25 as a fraction in its simplest form**

- A $\frac{1}{5}$
- B $\frac{1}{2}$
- C $\frac{3}{10}$
- D $\frac{1}{4}$

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21 **Simple interest on £2000 at 5% per year for 2 years is**

- A £400
- B £100
- C £200
- D £300

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22 **In a sale a jacket is reduced by 20% to £48. What was the price before the sale?**

A £70

B £60

C £57

D £50

Understand It with Pulse | Flag a mistake

23 **750 g is kg**

A 7.5

B 1.75

C 750

D 0.75

Understand It with Pulse | Flag a mistake

24 **A length is given as 4.5 cm, correct to 1 decimal place. What is the lower bound of the length?**

- A 4.4
- B 4.45
- C 4.55
- D 4.5

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25 **Work out $\frac{3}{4}$ of 72**

- A 54
- B 72
- C 64
- D 18

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ANSWER KEY

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

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