ENGLAND GCSE MATHS EDEXCEL 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 box holds 24 eggs. $\frac{1}{6}$ of the eggs are cracked. How many eggs are not cracked?**

- **A** 20
- **B** 18
- **C** 22
- **D** 4

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

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

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3 A bag holds 16 lemons. 5 lemons are used to make lemonade. What fraction of the lemons is left?

- **A** $\frac{11}{16}$
- **B** $\frac{5}{16}$
- **C** $\frac{3}{4}$
- **D** $\frac{11}{20}$

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4 **There are 100 silver coins. 40% of them are old. How many old silver coins are there?**

- A 50
- B 40
- C 65
- D 20

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5 **An ice cream cone costs £1.60. The price increases by 50%. What is the new price?**

- A £2.10
- B £2.40
- C £2.90
- D £0.80

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6 **A sandwich is cut into 8 equal triangles. 5 triangles are eaten. What fraction of the sandwich is left?**

- **A** $\frac{3}{8}$
- **B** $\frac{1}{2}$
- **C** $\frac{5}{8}$
- **D** $\frac{3}{10}$

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7 **2500 g is kg**

- **A** 2.5
- **B** 25
- **C** 3.5
- **D** 2500

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8 **Calculate 75% of 240**

- A 90
- B 185
- C 60
- D 180

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

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

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10 $2 \times \frac{3}{4}$ is equal to

- **A** $\frac{5}{4}$
- **B** $\frac{3}{2}$
- **C** 2
- **D** $\frac{7}{4}$

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11 In a sale a jacket is reduced by 20% to £64. What was the price before the sale?

- **A** £90
- **B** £80
- **C** £76
- **D** £70

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12 **3.6 ÷ 0.6 is equal to**

A 0.6

B 7

C 60

D 6

Understand It with Pulse | Flag a mistake

13 **Simple interest on £2000 at 4% per year for 4 years is**

A £640

B £80

C £320

D £400

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14 **A chocolate cake is cut into 8 equal slices. 5 slices are eaten. What fraction of the cake has been eaten?**

- **A** $\frac{5}{8}$
- **B** $\frac{3}{4}$
- **C** $\frac{3}{8}$
- **D** $\frac{1}{2}$

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15 **Write $0.\dot{7}$ as a fraction**

- **A** $\frac{7}{9}$
- **B** $\frac{7}{10}$
- **C** $\frac{1}{7}$
- **D** $\frac{7}{11}$

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16 **Calculate $\frac{5}{5}$ of 60**

A 60

B 12

C 72

D 0

Understand It with Pulse | Flag a mistake

17 **3/4 + 1/3 is equal to**

A $\frac{5}{4}$

B $\frac{13}{12}$

C $\frac{25}{28}$

D $\frac{4}{7}$

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18 **A price of £200 increases by 20%. The new price is**

A £160

B £240

C £245

D £235

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19 **A length of 20 cm and a width of 5 cm are both measured to the nearest cm. What is the upper bound of length divided by width?**

A 4

B 4.56

C 3.55

D 3.73

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20 **A length is given as 12.4 cm, correct to 1 decimal place. What is the lower bound of the length?**

- A 12.35
- B 12.3
- C 12.4
- D 12.45

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21 **Calculate 10% of 160**

- A 16
- B 8
- C 21
- D 144

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22 **Write 0.35 as a fraction in its simplest form**

A $\frac{2}{5}$

B $\frac{3}{10}$

C $\frac{7}{20}$

D $\frac{3}{5}$

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23 $\frac{5}{2} \div 1$ **is equal to**

A $\frac{5}{2}$

B $\frac{9}{4}$

C 3

D $\frac{11}{4}$

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24 **In a sale a jacket is reduced by 10% to £54. What was the price before the sale?**

A £59

B £60

C £70

D £50

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25 **9.6 ÷ 0.8 is equal to**

A 1.2

B 13

C 12

D 120

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ANSWER KEY

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

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