ENGLAND GCSE MATHS OCR 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 to let Brett know so he can fix it.

1 **A bag contains 20 lemons. 4 lemons are used to make lemonade. What fraction of the lemons is left?**

- **A** $\frac{17}{20}$
- **B** $\frac{1}{5}$
- **C** $\frac{4}{5}$
- **D** $\frac{2}{3}$

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2 **A cheese pizza is cut into 10 equal slices. 6 slices are eaten. What fraction of the cheese pizza is left?**

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

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3 **There are 200 silver coins. 75% of them are old. How many old silver coins are there?**

- **A** 150
- **B** 75
- **C** 55
- **D** 170

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4 **A chocolate cake is cut into 8 equal slices. 3 slices are eaten. What fraction of the cake has been eaten?**

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

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

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

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6 **A sandwich is cut into 8 equal triangles. 3 triangles are eaten. What fraction of the sandwich is left?**

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

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

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

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8 **5.4 ÷ 0.8 is equal to**

A 0.675

B 6.75

C 7.75

D 67.5

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9 **340 cm is m**

A 0.34

B 34

C 340

D 3.4

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

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

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11 **A price of £200 decreases by 25%. The new price is**

- A £155
- B £145
- C £150
- D £250

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12 **Simple interest on £1200 at 6% per year for 3 years is**

- **A** £72
- **B** £216
- **C** £288
- **D** £432

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

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

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14 $\frac{1}{4} \times 1$ is equal to

A $\frac{1}{4}$

B $\frac{1}{2}$

C $\frac{2}{3}$

D 0

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15 A length of 30 cm and a width of 8 cm are both measured to the nearest cm. What is the upper bound of length divided by width?

A 3.59

B 3.47

C 3.75

D 4.07

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16 **In a sale a jacket is reduced by 20% to £80. What was the price before the sale?**

A £96

B £100

C £90

D £110

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17 **Find $\frac{5}{6}$ of 48**

A 48

B 50

C 40

D 8

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

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

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19 **2/3 + 1/3 is equal to**

- A $\frac{7}{6}$
- B 1
- C $\frac{1}{2}$
- D $\frac{17}{21}$

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20 **Find 30% of 200**

A 30

B 60

C 140

D 65

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21 **3.6 ÷ 0.8 is equal to**

A 0.45

B 5.5

C 4.5

D 45

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22 **1500 g is kg**

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

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23 **A price of £80 increases by 15%. The new price is**

- A £68
- B £87
- C £92
- D £97

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24 **Simple interest on £1200 at 5% per year for 3 years is**

- **A** £180
- **B** £60
- **C** £240
- **D** £360

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

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

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ANSWER KEY

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

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