ENGLAND GCSE MATHS EDEXCEL HIGHER · UNIT 7 · 25 QUESTIONS

Ratio, Proportion and Percentages — 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 **There are 100 silver coins. 10% of them are old. How many old silver coins are there?**

- **A** 20
- **B** 95
- **C** 5
- **D** 10

Understand It with Pulse | Flag a mistake

2 **The ratio of burgers to chicken nuggets on a school lunch tray is 2 : 4. There are 4 burgers. How many chicken nuggets are there?**

- A 8
- B 9
- C 12
- D 4

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3 **The ratio of lemons to oranges is 2 : 4. There are 4 lemons. How many oranges are there?**

- A 12
- B 8
- C 9
- D 4

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4 **A chocolate cake recipe for 4 people uses 200 g of flour. How much flour is needed for 8 people?**

- A 450
- B 500
- C 400
- D 200

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5 **Glass marbles are shared between two children in the ratio 2 : 3. There are 30 marbles altogether. The smaller share is**

- A 18
- B 13
- C 30
- D 12

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6 **A pack of 6 red apples costs £4 and a pack of 12 red apples costs £7. Which pack is better value?**

- A They are the same value
- B The pack of 6
- C Neither pack
- D The pack of 12

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7 **The ratio of boys to girls in a class is 2 : 5. What fraction of the class are boys?**

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

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8 **The exchange rate is £1 = 1.15 euros. How many euros do you get for £400?**

- A 347.83
- B 460
- C 450
- D 470

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9 **A wage of £120 per week increases by 12%. The new weekly wage is**

- A £144.40
- B £125.40
- C £132
- D £134.40

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10 **On a map, 1 cm represents 5 km. Two towns are 3 cm apart on the map. How far apart are they in real life, in km?**

- A 20
- B 30
- C 15
- D 3

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11 **Write the ratio 24 : 60 in its simplest form**

- A 5 : 2
- B 24 : 60
- C 6 : 15
- D 2 : 5

Understand It with Pulse | Flag a mistake

12 **Two numbers are in the ratio 3 : 2 and their sum is 40. The smaller number is**

A 24

B 16

C 8

D 17

Understand It with Pulse | Flag a mistake

13 **Calculate 35% of 300**

A 52

B 105

C 120

D 195

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14 **The ratio of boys to girls in a class is 4 : 2. What fraction of the class are boys?**

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

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15 **Share £140 in the ratio 2 : 5. How much does Amir get, if Amir gets the first share?**

- **A** £40
- **B** £60
- **C** £20
- **D** £100

Understand It with Pulse | Flag a mistake

16 **The exchange rate is £1 = 1.15 euros. How many euros do you get for £300?**

- A 335
- B 355
- C 345
- D 260.87

Understand It with Pulse | Flag a mistake

17 **A wage of £80 per week increases by 15%. The new weekly wage is**

- A £95
- B £102
- C £85
- D £92

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18 **On a map, 1 cm represents 10 km. Two towns are 8 cm apart on the map. How far apart are they in real life, in km?**

- A 160
- B 8
- C 80
- D 90

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19 **Write the ratio 60 : 15 in its simplest form**

- A 12 : 3
- B 4 : 1
- C 60 : 15
- D 1 : 4

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20 **Two numbers are in the ratio 3 : 4 and their sum is 21. The smaller number is**

- A 12
- B 10
- C 3
- D 9

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21 **Calculate 55% of 400**

- A 240
- B 110
- C 180
- D 220

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22 **Share £210 in the ratio 4 : 3. How much does Eli get, if Eli gets the first share?**

A £30

B £150

C £120

D £90

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23 **The exchange rate is £1 = 1.10 euros. How many euros do you get for £100?**

A 120

B 100

C 90.91

D 110

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24 On a map, 1 cm represents 25 km. Two towns are 6 cm apart on the map. How far apart are they in real life, in km?

- A 300
- B 175
- C 150
- D 6

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25 Two numbers are in the ratio 5 : 4 and their sum is 45. The smaller number is

- A 21
- B 25
- C 5
- D 20

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ANSWER KEY

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

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