ENGLAND GCSE MATHS AQA FOUNDATION · 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 **A chocolate cake recipe for 4 people uses 300 g of flour. How much flour is needed for 8 people?**

- A 650
- B 600
- C 300
- D 750

Understand It with Pulse | Flag a mistake

2 **A pack of 5 red apples costs £4 and a pack of 10 red apples costs £7. Which pack is better value?**

- A The pack of 10
- B The pack of 5
- C Neither pack
- D They are the same value

Understand It with Pulse | Flag a mistake

3 **The ratio of lemons to oranges is 2 : 5. There are 8 lemons. How many oranges are there?**

- A 28
- B 20
- C 8
- D 21

Understand It with Pulse | Flag a mistake

4 **The ratio of burgers to chicken nuggets on a school lunch tray is 2 : 5. There are 4 burgers. How many chicken nuggets are there?**

- A 14
- B 10
- C 4
- D 11

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5 **There are 100 silver coins. 35% of them are old. How many old silver coins are there?**

- A 45
- B 17
- C 70
- D 35

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6 **Glass marbles are shared between two children in the ratio 2 : 5. There are 35 marbles altogether. The smaller share is**

- A 11
- B 25
- C 10
- D 35

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7 **The exchange rate is £1 = 1.10 euros. How many euros do you get for £200?**

- A 230
- B 220
- C 210
- D 181.82

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8 **Write the ratio 30 : 50 in its simplest form**

- **A** 30 : 50
- **B** 3 : 5
- **C** 5 : 3
- **D** 6 : 10

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

- **A** $\frac{2}{7}$
- **B** $\frac{5}{7}$
- **C** $\frac{6}{7}$
- **D** $\frac{5}{2}$

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10 **Share £160 in the ratio 3 : 1. How much does Amir get, if Amir gets the first share?**

- A £125
- B £120
- C £40
- D £160

Understand It with Pulse | Flag a mistake

11 **Work out 35% of 300**

- A 105
- B 52
- C 195
- D 120

Understand It with Pulse | Flag a mistake

12 A wage of £160 per week increases by 25%. The new weekly wage is

- A £210
- B £165
- C £185
- D £200

Understand It with Pulse | Flag a mistake

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

- A 60
- B 3
- C 30
- D 40

Understand It with Pulse | Flag a mistake

14 **Two numbers are in the ratio 2 : 3 and their sum is 25. The smaller number is**

- A 5
- B 11
- C 15
- D 10

Understand It with Pulse | Flag a mistake

15 **The exchange rate is £1 = 1.15 euros. How many euros do you get for £200?**

- A 173.91
- B 230
- C 240
- D 220

Understand It with Pulse | Flag a mistake

16 **Write the ratio 48 : 60 in its simplest form**

A 5 : 4

B 4 : 5

C 48 : 60

D 12 : 15

Understand It with Pulse | Flag a mistake

17 **Share £210 in the ratio 5 : 2. How much does Farah get, if Farah gets the first share?**

A £60

B £30

C £180

D £150

Understand It with Pulse | Flag a mistake

18 **Work out 45% of 400**

- A 220
- B 180
- C 200
- D 90

Understand It with Pulse | Flag a mistake

19 **A wage of £80 per week increases by 12%. The new weekly wage is**

- A £89.60
- B £92
- C £99.60
- D £85.60

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20 On a map, 1 cm represents 25 km. Two towns are 3 cm apart on the map. How far apart are they in real life, in km?

- A 3
- B 150
- C 100
- D 75

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21 Two numbers are in the ratio 2 : 4 and their sum is 24. The smaller number is

- A 8
- B 16
- C 12
- D 4

Understand It with Pulse | Flag a mistake

22 **The exchange rate is £1 = 1.20 euros. How many euros do you get for £100?**

- A 110
- B 120
- C 130
- D 83.33

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23 **Write the ratio 15 : 30 in its simplest form**

- A 3 : 6
- B 2 : 1
- C 15 : 30
- D 1 : 2

Understand It with Pulse | Flag a mistake

24 **The ratio of boys to girls in a class is 3 : 2. What fraction of the class are boys?**

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

Understand It with Pulse | Flag a mistake

25 **Share £210 in the ratio 4 : 2. How much does Dana get, if Dana gets the first share?**

- **A** £35
- **B** £70
- **C** £175
- **D** £140

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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