ENGLAND GCSE MATHS EDEXCEL 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 **The ratio of burgers to chicken nuggets on a school lunch tray is 2 : 3. There are 4 burgers. How many chicken nuggets are there?**

- A 7
- B 4
- C 10
- D 6

Understand It with Pulse | Flag a mistake

2 **Red apples cost £10 for 3 kg. How much do 7 kg of red apples cost?**

- A £10
- B £23
- C £26
- D £70

Understand It with Pulse | Flag a mistake

3 **A chocolate cake recipe for 4 people uses 400 g of flour. How much flour is needed for 8 people?**

- A 850
- B 1000
- C 800
- D 400

Understand It with Pulse | Flag a mistake

4 **There are 200 silver coins. 35% of them are old. How many old silver coins are there?**

- A 80
- B 70
- C 35
- D 135

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

6 **Glass marbles are shared between two children in the ratio 3 : 5. There are 32 marbles altogether. The smaller share is**

- A 13
- B 32
- C 20
- D 12

Understand It with Pulse | Flag a mistake

7 **Share £270 in the ratio 4 : 5. How much does Beth get, if Beth gets the first share?**

- A £125
- B £120
- C £150
- D £30

Understand It with Pulse | Flag a mistake

8 **Calculate 65% of 400**

A 280

B 130

C 260

D 140

Understand It with Pulse | Flag a mistake

9 **A wage of £160 per week increases by 15%. The new weekly wage is**

A £194

B £184

C £175

D £165

Understand It with Pulse | Flag a mistake

10 **On a map, 1 cm represents 10 km. Two towns are 4 cm apart on the map. How far apart are they in real life, in km?**

- A 80
- B 4
- C 40
- D 50

Understand It with Pulse | Flag a mistake

11 **The exchange rate is £1 = 1.20 euros. How many euros do you get for £200?**

- A 230
- B 250
- C 240
- D 166.67

Understand It with Pulse | Flag a mistake

12 **Two numbers are in the ratio 2 : 5 and their sum is 42. The smaller number is**

A 18

B 30

C 6

D 12

Understand It with Pulse | Flag a mistake

13 **Write the ratio 45 : 15 in its simplest form**

A 9 : 3

B 45 : 15

C 3 : 1

D 1 : 3

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

15 Share £140 in the ratio 4 : 3. How much does Dana get, if Dana gets the first share?

- **A** £100
- **B** £80
- **C** £20
- **D** £60

Understand It with Pulse | Flag a mistake

16 **Calculate 85% of 400**

A 60

B 360

C 340

D 170

Understand It with Pulse | Flag a mistake

17 **A wage of £80 per week increases by 18%. The new weekly wage is**

A £94.40

B £104.40

C £98

D £85.40

Understand It with Pulse | Flag a mistake

18 **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 3
- B 20
- C 30
- D 15

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

20 **Two numbers are in the ratio 4 : 5 and their sum is 27. The smaller number is**

- A 3
- B 12
- C 13
- D 15

Understand It with Pulse | Flag a mistake

21 **Write the ratio 27 : 18 in its simplest form**

- A 27 : 18
- B 3 : 2
- C 9 : 6
- D 2 : 3

Understand It with Pulse | Flag a mistake

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

- **A** $\frac{2}{7}$
- **B** $\frac{2}{3}$
- **C** $\frac{1}{3}$
- **D** $\frac{1}{2}$

Understand It with Pulse | Flag a mistake

23 **Share £100 in the ratio 3 : 1. How much does Beth get, if Beth gets the first share?**

- **A** £25
- **B** £100
- **C** £75
- **D** £80

Understand It with Pulse | Flag a mistake

24 **Calculate 45% of 200**

- A 45
- B 90
- C 110
- D 100

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25 **A wage of £240 per week increases by 15%. The new weekly wage is**

- A £276
- B £255
- C £245
- D £286

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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