ENGLAND GCSE MATHS EDEXCEL HIGHER · UNIT 7 · 10 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 750
- D 300

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2 The ratio of burgers to chicken nuggets on a school lunch tray is 3 : 4. There are 6 burgers. How many chicken nuggets are there?

- A 8
- B 9
- C 6
- D 14

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

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

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4 **Glass marbles are shared between two children in the ratio 2 : 4. There are 36 marbles altogether. The smaller share is**

- **A** 24
- **B** 12
- **C** 36
- **D** 13

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

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

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6 **A pack of 4 red apples costs £3 and a pack of 8 red apples costs £5. Which pack is better value?**

- A Neither pack
- B The pack of 8
- C They are the same value
- D The pack of 4

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7 **On a map, 1 cm represents 20 km. Two towns are 8 cm apart on the map. How far apart are they in real life, in km?**

- A 8
- B 180
- C 320
- D 160

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

A £20

B £60

C £80

D £65

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9 **Calculate 45% of 300**

A 150

B 165

C 135

D 67

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

A £165.20

B £179.20

C £172

D £189.20

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ANSWER KEY

1.	B	**5.**	C	**9.**	C
2.	A	**6.**	B	**10.**	B
3.	D	**7.**	D		
4.	B	**8.**	B		

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