ENGLAND GCSE MATHS OCR HIGHER · UNIT 8 · 5 QUESTIONS

Proportion, Rates of Change, Growth and Decay — 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 red race car worth £12000 loses 15% of its value each year. How much is it worth after one year?**

- A £11200
- B £10200
- C £1800
- D £11820

Understand It with Pulse | Flag a mistake

2 **y is directly proportional to x and y = 12 when x = 2. Find y when x = 8.**

- A 48
- B 14
- C 54
- D 96

Understand It with Pulse | Flag a mistake

3 **Money of £2000 is invested at 5% compound interest per year. How much is it worth after 2 years?**

- A £2200
- B £2100
- C £2205
- D £2255

Understand It with Pulse | Flag a mistake

4 **Water flows into a swimming pool at 20 litres per minute. How long does it take to fill 1200 litres?**

- A 70
- B 60
- C 120
- D 50

Understand It with Pulse | Flag a mistake

5 **A block has mass 360 g and volume 120 cm³. Its density, in g/cm³, is**

- A 180
- B 3
- C 5
- D 43200

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. A
3. C
4. B
5. B

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