ENGLAND GCSE MATHS AQA 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 so it can be fixed.

1 **Water flows into a swimming pool at 25 litres per minute. How long does it take to fill 750 litres?**

A 60

B 30

C 20

D 40

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2 **A red race car worth £12000 loses 20% of its value each year. How much is it worth after one year?**

- A £2400
- B £11760
- C £9600
- D £10600

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3 **A block has mass 240 g and volume 80 cm³. Its density, in g/cm³, is**

- A 19200
- B 5
- C 3
- D 120

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4 **A force of 200 N acts on an area of 6 m^2. The pressure, in $\frac{N}{m^2}$, is**

- A 100
- B 38
- C 1200
- D 33

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5 **A population of 200 grows by 3% each year. After 3 years the population is about**

- A 218
- B 400
- C 219
- D 239

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ANSWER KEY

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

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