PERCENTAGES · PART 8 OF 8 · AGES 11–16

Percentages Quiz

Ten questions on the whole series. Answer them all, then turn the page round to check.

1 Which of these is the same as the decimal 0.6?

- A 6%
- B 60%
- C 0.6%
- D 600%

2 What is 18 out of 24 as a percentage?

- A 18%
- B 66%
- C 75%
- D 80%

3 What is 15% of 80?

- A 8
- B 12
- C 15
- D 1.2

4 Which multiplier decreases an amount by 15%?

- A 0.15
- B 1.15
- C 0.85
- D 0.015

5 Increase 60 by 5%.

- A 60.5
- B 63
- C 65
- D 90

6 A price rises from 40 to 50. What is the percentage increase?

- A 10%
- B 20%
- C 25%
- D 50%

7 After a 20% discount a coat costs 96. What was the original price?

- A 76.80
- B 115.20
- C 120
- D 116

8 An interest rate rises from 2% to 3%. Which statement is true?

- A Up 1 percentage point, a 50% rise
- B Up 1 percentage point, a 1% rise
- C Up 50 percentage points
- D Up 1%, a 33% rise

9 A price is cut by 50%, then the new price is cut by 50% again. What is the total discount?

- A 100%
- B 75%
- C 50%
- D 25%

10 A headline says sales rose by 200%. Last year 50 were sold. How many were sold this year? Show your working.

ANSWERS

1. B: 60% (0.6 × 100 = 60)
2. C: 75% (18 ÷ 24 = 0.75)
3. B: 12 (10% is 8 and 5% is 4)
4. C: 0.85 (100% − 15% = 85%)
5. B: 63 (60 × 1.05; 90 would be a 50% increase)
6. C: 25% (10 ÷ 40 × 100; 20% divides by the new price)
7. C: 120 (96 ÷ 0.8; 115.20 wrongly adds 20% to the sale price)
8. A: up 1 percentage point, which is a 50% rise in the rate (1 ÷ 2 × 100)
9. B: 75% (you pay 0.5 × 0.5 = 0.25 of the price)
10. 150: a 200% rise means 100% + 200% = 300% of 50, so 50 × 3 = 150

SERIES COMPLETE

All 8 parts free at infographhub.com/series/percentages/

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