Fractions, Decimals & Percentages: Medium Practice Paper 8

Q1. The table shows the price of the same coat in three shops. Which shop sells it most cheaply?

Shop	Price	Offer
Shop A	£60	10% off
Shop B	£70	25% off
Shop C	£55	no offer

A. Shop A

B. Shop B

C. Shop C

D. Shops A and C cost the same

E. All three cost the same

Q2. Use the same table of coat prices. What does the coat cost in Shop A after the offer?

Shop	Price	Offer
Shop A	£60	10% off
Shop B	£70	25% off
Shop C	£55	no offer

A. £6 *B.* £50 *C.* £54 *D.* £56 *E.* £59

Q3. What is 18% of 250?

A. 36 *B.* 42 *C.* 45 *D.* 48 *E.* 50

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Q4. Increase 140 by 15%.

A. 150 *B.* 154 *C.* 158 *D.* 161 *E.* 175

Q5. Decrease £90 by 30%.

A. £27 *B.* £57 *C.* £60 *D.* £63 *E.* £72

Q6. 60% of a number is 42. What is the number?

A. 25.2 *B.* 60 *C.* 70 *D.* 72 *E.* 84

Q7. The price of a ticket rises from £25 to £29. What is the percentage increase?

A. 4% *B.* 13.8% *C.* 16% *D.* 20% *E.* 29%

Q8. Ben is 20% taller than Amy. Amy is 150 cm tall. How tall is Ben?

A. 120 cm *B.* 170 cm *C.* 175 cm *D.* 180 cm *E.* 300 cm

Q9. In a test Mia scored 18 marks out of 24. What percentage did she score?

A. 60% *B.* 70% *C.* 72% *D.* 75% *E.* 80%

Q10. What is 50% of 40% of 300?

A. 30 *B.* 60 *C.* 70 *D.* 120 *E.* 150

Q11. A meal costs £40 and a tip of 10% is added. How much is paid altogether?

A. £36 *B.* £41 *C.* £44 *D.* £45 *E.* £50

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Q12. A coat costs £80. Which offer saves more money, and by how much: 25% off, or £18 off?

A. 25% off, by £2

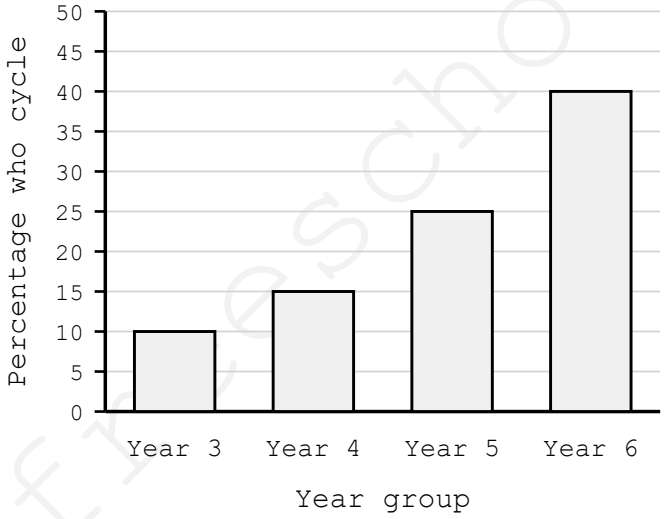
B. £18 off, by £2

C. 25% off, by £5

D. £18 off, by £5

E. They save exactly the same

Q13. The bar chart shows the percentage of pupils in each year group who cycle to school. There are 80 pupils in Year 5. How many of them cycle?



A. 8 *B.* 10 *C.* 12 *D.* 16 *E.* 20

Q14. Without working it out exactly, roughly what is 49% of 802?

A. About 200

B. About 400

C. About 500

D. About 800

E. About 1,600

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Q15. A shop offers "buy one, get one half price". Two shirts each cost £20. What percentage of the full price is saved altogether?

A. 10% *B.* 20% *C.* 25% *D.* 50% *E.* 75%

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