Rounding & Estimating: Medium Practice Paper 9

Q1. Dad buys 4 magazines at £2.99 each. He rounds the price to £3 to find the total and then corrects his answer. What is the exact cost?

A. £11.60 *B.* £11.96 *C.* £11.99 *D.* £12.04 *E.* £12.96

Q2. To work out 6 × 99, Priya first works out 6 × 100. What must she do next to get the exact answer?

A. Add 6

B. Subtract 1

C. Subtract 99

D. Add 1

E. Subtract 6

Q3. A plank is 3.46 m long. Sam rounds the length to the nearest metre. Tia rounds it to the nearest 10 cm. What is the difference between their two answers?

A. 4 cm *B.* 40 cm *C.* 46 cm *D.* 54 cm *E.* 50 cm

Q4. Three friends share a bill of £71 equally. A calculator shows 23.6666667. How much should each friend pay, to the nearest penny?

A. £23.67 *B.* £23.66 *C.* £23.70 *D.* £23.60 *E.* £24.00

Q5. A city has a population of 2,449,500. What is this rounded to the nearest hundred thousand?

A. 2,000,000 *B.* 2,440,000 *C.* 2,400,000 *D.* 2,450,000 *E.* 2,500,000

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Q6. Each of these numbers is rounded to the nearest whole number. Which number is changed the most by the rounding?

A. 7.2 *B.* 4.5 *C.* 9.8 *D.* 3.45 *E.* 6.61

Q7. Mum estimates her shopping bill by rounding each price in the table to the nearest pound. How far is her estimate from the exact total?

Item	Price
Bread	£1.85
Milk	£1.15
Cheese	£3.60
Eggs	£2.45

A. 15p *B.* 25p *C.* 45p *D.* 95p *E.* 5p

Q8. One of these calculations is wrong. By estimating, decide which one it is.

A. 52 × 19 = 988

B. 48 × 21 = 1,008

C. 62 × 38 = 3,356

D. 31 × 29 = 899

E. 71 × 11 = 781

Q9. What is 7.3 rounded to the nearest half?

A. 6.5 *B.* 7 *C.* 7.3 *D.* 7.5 *E.* 8

Q10. Which is the best estimate for 198 + 203 + 199 + 201 + 202?

A. 800 *B.* 900 *C.* 1,000 *D.* 1,100 *E.* 1,200

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Q11. A prime number rounds to 40 when it is rounded to the nearest 10. When the number is doubled, the answer rounds to 70 to the nearest 10. What is the number?

A. 31 *B.* 35 *C.* 37 *D.* 36 *E.* 39

Q12. Each skipping rope needs 2.4 m of rope. How many complete skipping ropes can be cut from a coil of rope 25 m long?

A. 9 *B.* 10 *C.* 10.4 *D.* 11 *E.* 12

Q13. Which calculation gives the best estimate for 418 ÷ 7.9?

A. 400 ÷ 7 *B.* 420 ÷ 10 *C.* 500 ÷ 8 *D.* 400 ÷ 8 *E.* 410 ÷ 7

Q14. The decimal point has been left out of the answer to this calculation. By estimating, decide what the answer should be.

$$4.8 \times 21.5 = 1032$$

A. 103.2 *B.* 1.032 *C.* 10.32 *D.* 1,032 *E.* 10,320

Q15. There are 24 hours in a day, 60 minutes in an hour and 60 seconds in a minute. Which is the best estimate for the number of seconds in a day?

A. About 900

B. About 9,000

C. About 900,000

D. About 9 million

E. About 90,000

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