Rounding & Estimating: Medium Practice Paper 6

Q1. The table shows the population of four towns. Which town's population rounds to 40,000 to the nearest ten thousand?

Town	Population
Alton	34 820
Brent	36 510
Corby	45 300
Denby	29 600

A. Brent

B. Alton

C. Corby

D. Denby

E. None of them

Q2. Ben estimates 38 × 21 by working out 40 × 20. Is his estimate bigger or smaller than the true answer?

A. It cannot be decided

B. Smaller than the true answer

C. Exactly the true answer

D. Bigger than the true answer

E. Smaller by exactly 2

Q3. A bill comes to £7.83. What is this rounded to the nearest 5p?

A. £7.80 *B.* £7.85 *C.* £7.90 *D.* £8.00 *E.* £7.75

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Q4. Estimate the total bill by rounding each price in the table to the nearest pound.

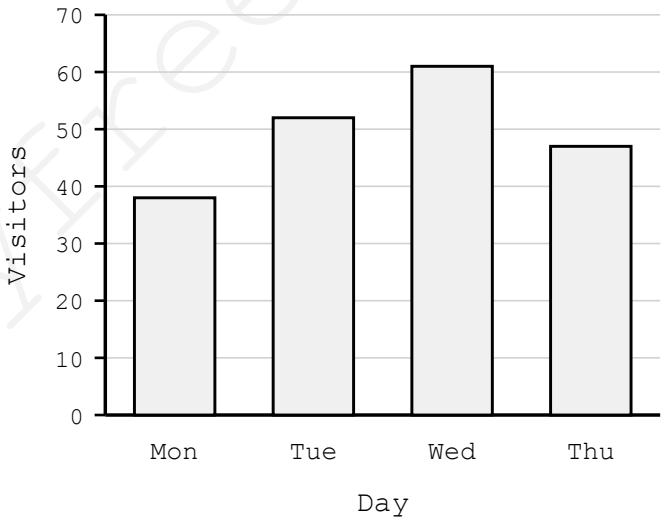
Item	Price
Book	£3.89
Game	£6.15
Pen set	£2.45
Poster	£4.75

A. £15 *B.* £16 *C.* £18 *D.* £17 *E.* £20

Q5. Which of these is the best estimate of 613 ÷ 19?

A. 12 *B.* 3 *C.* 300 *D.* 60 *E.* 30

Q6. The bar chart shows how many visitors came on four days. Estimate the total by rounding each day to the nearest 10.



A. 190 *B.* 200 *C.* 210 *D.* 180 *E.* 220

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Q7. A crowd is reported as 4,000 people, rounded to the nearest hundred. Which of these CANNOT be the actual number?

A. 3,946 *B.* 3,952 *C.* 4,001 *D.* 4,049 *E.* 3,988

Q8. What is 68 rounded to the nearest 5?

A. 60 *B.* 65 *C.* 68 *D.* 75 *E.* 70

Q9. A pupil works out 49 × 51 and gets 2,499. Is this answer sensible?

A. No, the answer should be about 25,000

B. No, the answer should be about 250

C. Yes, because 50 × 50 = 2,500 is very close to it

D. No, the answer should be about 100

E. It cannot be checked by estimating

Q10. A plank is 2.674 m long. How long is it to the nearest centimetre?

A. 2.68 m *B.* 2.67 m *C.* 2.7 m *D.* 2.6 m *E.* 3 m

Q11. Estimate 9% of 412.

A. About 400 *B.* About 4 *C.* About 40 *D.* About 90 *E.* About 20

Q12. A race was run in 3 minutes 47 seconds. What is this to the nearest 10 seconds?

A. 3 minutes 45 seconds

B. 3 minutes 40 seconds

C. 4 minutes

D. 3 minutes 50 seconds

E. 3 minutes 30 seconds

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Q13. Raffle tickets are sold only in books of 10. A club needs 236 tickets. How many books must it buy?

A. 24 *B.* 23 *C.* 20 *D.* 30 *E.* 236

Q14. Which of these estimates comes closest to the true value of 38 × 42?

A. 35 × 40 *B.* 40 × 45 *C.* 40 × 40 *D.* 40 × 50 *E.* 30 × 40

Q15. Between which two whole numbers does the square root of 30 lie?

A. 15 and 16 *B.* 4 and 5 *C.* 6 and 7 *D.* 3 and 4 *E.* 5 and 6

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