Rounding & Estimating: Medium Practice Paper 10

Q1. A parcel has a mass of 3.275 kg. What is this rounded to the nearest 100 g?

A. 3.2 kg *B.* 3.28 kg *C.* 3 kg *D.* 3.3 kg *E.* 3.27 kg

Q2. The numbers 4.567 and 3.218 are each rounded to one decimal place and the two answers are added. What is the total?

A. 7.7 *B.* 7.8 *C.* 7.79 *D.* 8 *E.* 7.9

Q3. Which is the best estimate of one third of 891?

A. 30 *B.* 270 *C.* 600 *D.* 2,700 *E.* 300

Q4. By estimating, decide which of these divisions has an answer between 20 and 30.

A. 715 ÷ 19 *B.* 410 ÷ 9 *C.* 602 ÷ 41 *D.* 89 ÷ 6.1 *E.* 498 ÷ 21

Q5. A teacher buys 19 pens at 48p each. She estimates the cost by working out 20 × 50p. How much more than the exact cost is her estimate?

A. 12p *B.* 52p *C.* £1.12 *D.* 98p *E.* 88p

Q6. There are 30 boxes of nails. Each box holds 50 nails, to the nearest 10. What is the smallest possible total number of nails?

A. 1,350 *B.* 1,200 *C.* 1,470 *D.* 1,500 *E.* 1,490

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Q7. What is 163 rounded to the nearest 25?

A. 150 *B.* 160 *C.* 165 *D.* 175 *E.* 200

Q8. A number multiplied by 38 gives 1,216. By estimating, decide which of these is closest to the number.

A. 3 *B.* 13 *C.* 30 *D.* 130 *E.* 300

Q9. Bags of flour are labelled 500 g. A bag passes a check if its mass is within 10 g of 500 g. Which of these bags fails the check?

A. 492 g *B.* 508 g *C.* 490 g *D.* 505 g *E.* 511 g

Q10. Mia rounds 14.6 and 15.6 to the nearest whole number and then adds them. Sam adds 14.6 and 15.6 first and then rounds the total to the nearest whole number. What is the difference between their answers?

A. 0 *B.* 0.2 *C.* 0.8 *D.* 2 *E.* 1

Q11. One of these numbers has been rounded to the nearest 100. Which one must it be?

A. 4,560 *B.* 4,600 *C.* 4,605 *D.* 4,650 *E.* 4,599

Q12. What is the mixed number 3 5/8 rounded to the nearest whole number?

A. 3 *B.* 4 *C.* 5 *D.* 8 *E.* 3 1/2

Q13. The temperature in a freezer room is −3.6°C. What is this rounded to the nearest whole degree?

A. −3°C *B.* 4°C *C.* −4°C *D.* −3.5°C *E.* −40°C

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Q14. Each biscuit has a mass of 28 g. About how many biscuits are there in a 1 kg tin?

A. About 4 *B.* About 15 *C.* About 35 *D.* About 80 *E.* About 350

Q15. A newspaper reports that 'nearly 20,000 fans' watched a match. Which of these attendances fits the report best?

A. 15,200 *B.* 20,340 *C.* 2,000 *D.* 21,000 *E.* 19,870

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