Rounding & Estimating: Medium Practice Paper 7

Q1. The table shows the number 6,748 rounded in three ways. Which row is wrong?

Rounded to	Answer
Nearest 10	6 750
Nearest 100	6 700
Nearest 1 000	6 000

A. Nearest 1 000

B. Nearest 10

C. Nearest 100

D. All three are wrong

E. None of them

Q2. A journey of 412 km used 38 litres of fuel. Estimate the number of kilometres travelled on each litre.

A. About 20 *B.* About 4 *C.* About 10 *D.* About 100 *E.* About 40

Q3. A film lasts 1 hour 52 minutes. How long is this to the nearest quarter of an hour?

A. 1 hour 50 minutes

B. 2 hours

C. 1 hour 30 minutes

D. 2 hours 15 minutes

E. 1 hour 45 minutes

Q4. A box weighs 3 kg, measured to the nearest 100 g. What is the greatest the box could weigh?

A. 2.95 kg *B.* 3.1 kg *C.* 3.05 kg *D.* 3.005 kg *E.* 3.5 kg

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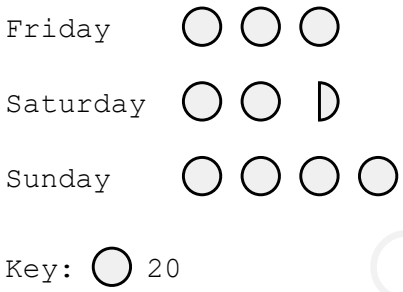
Q5. A meal costing £47.60 is shared equally between 5 people. Estimate what each person pays.

A. About £5 *B.* About £8 *C.* About £12 *D.* About £10 *E.* About £20

Q6. The pictogram shows how many books a shop sold on three days. About how many were sold altogether, to the nearest hundred?



A. 100 *B.* 180 *C.* 190 *D.* 200 *E.* 300

Q7. To estimate 812 ÷ 19, Ali works out 800 ÷ 20 = 40. Is the true answer bigger or smaller than 40?

A. Bigger than 40

B. Smaller than 40

C. Exactly 40

D. It cannot be decided

E. Smaller, because both numbers were rounded

Q8. A number is 7.4 when rounded to 1 decimal place, and 7 when rounded to the nearest whole number. Which of these could it be?

A. 7.45 *B.* 7.38 *C.* 7.52 *D.* 7.29 *E.* 7.5

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Q9. Carpet costs £19.75 for each square metre. A room measures 4.1 m by 2.9 m. Estimate the cost of carpeting it.

A. About £80

B. About £120

C. About £200

D. About £300

E. About £240

Q10. What is 273 rounded to the nearest 50?

A. 275 *B.* 300 *C.* 270 *D.* 250 *E.* 200

Q11. The table shows four pupils' estimates for 297 × 6. Whose estimate is closest to the true answer?

Pupil	Estimate
Ann	1 800
Ben	1 740
Cara	1 500
Dan	2 100

A. Cara

B. Ben

C. Ann

D. Dan

E. Ann and Ben are equally close

Q12. A number rounds to 350 to the nearest 10, and to 300 to the nearest 100. Which of these could it be?

A. 347 *B.* 352 *C.* 344 *D.* 358 *E.* 335

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Q13. Estimate 61.2 ÷ 2.9.

A. About 30 *B.* About 20 *C.* About 2 *D.* About 15 *E.* About 60

Q14. The attendance at a match was 28,463. Write this to 2 significant figures.

A. 29,000 *B.* 28,000 *C.* 28,500 *D.* 30,000 *E.* 28,460

Q15. Which is the most sensible way to give the height of a classroom door?

A. About 2 km

B. About 2 cm

C. About 20 m

D. 2.045372 m

E. About 2 m

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