

Rounding & Estimating₃: Hard Practice Paper

Q1. Round 3,050,000 to 2 significant figures.

- A. 3,000,000 B. 3,050,000 C. 3,100,000 D. 3,500,000 E. 4,000,000

Q2. A weight is measured as 12.6 kg to the nearest 0.1 kg. What is the SMALLEST value the weight could be?

- A. 12.5 kg B. 12.54 kg C. 12.55 kg D. 12.56 kg E. 12.6 kg

Q3. Round 7.0049 to 3 significant figures.

- A. 7.00 B. 7.004 C. 7.005 D. 7.01 E. 7.1

Q4. Estimate 598×403 by rounding each number to 2 significant figures.

- A. 200,000 B. 240,000 C. 241,000 D. 250,000 E. 300,000

Q5. Round 0.003506 to 2 significant figures.

- A. 0.003 B. 0.0035 C. 0.00351 D. 0.0036 E. 0.004

Q6. Estimate $0.481 \div 0.052$ by rounding each number to 1 significant figure.

- A. 8 B. 9 C. 9.25 D. 10 E. 12

Q7. Round 24,950 to 3 significant figures.

- A. 24,000 B. 24,900 C. 24,950 D. 25,000 E. 25,100

Q8. A school dinner costs £2.47. Estimate the total cost for 38 school dinners by rounding each value to 1 significant figure.

- A. £60 B. £80 C. £93 D. £94 E. £100

Q9. Round 1,000,500 to 4 significant figures.

- A. 1,000,000 B. 1,000,500 C. 1,001,000 D. 1,001,500 E. 1,010,000

Q10. A number is rounded to the nearest 10,000 and gives 80,000. What is the LARGEST possible whole number value?

- A. 80,999 B. 84,000 C. 84,999 D. 85,000 E. 89,999

Q11. Round 0.19951 to 3 significant figures.

- A. 0.19 B. 0.199 C. 0.200 D. 0.201 E. 0.21

Q12. Estimate the value of $\sqrt{80}$ by finding the nearest perfect square.

- A. 8 B. 8.5 C. 8.9 D. 9 E. 10

Q13. Round 555,555 to 3 significant figures.

- A. 550,000 B. 555,000 C. 555,600 D. 556,000 E. 560,000

Q14. A number is rounded to 1 decimal place to give 5.0. Which of these CANNOT be the original number?

- A. 4.95 B. 5.02 C. 5.03 D. 5.04 E. 5.05

Q15. Estimate $786 \div 38$ by rounding each number to 1 significant figure.

- A. 18 B. 20 C. 20.7 D. 21 E. 25