

Rounding & Estimating: Hard Practice Paper

Q1. Round 0.8055 to 3 significant figures.

- A. 0.8 B. 0.805 C. 0.806 D. 0.81 E. 0.9

Q2. Estimate 48.3^2 by rounding 48.3 to the nearest 10.

- A. 2,300 B. 2,332 C. 2,400 D. 2,500 E. 2,600

Q3. A number is rounded to the nearest 1,000 and gives 7,000. What is the SMALLEST possible value?

- A. 6,001 B. 6,499 C. 6,500 D. 6,501 E. 7,000

Q4. Round 100,450 to 3 significant figures.

- A. 100,000 B. 100,400 C. 100,450 D. 100,500 E. 101,000

Q5. Estimate 4.87×9.92 by rounding each number to the nearest whole number.

- A. 45 B. 48 C. 49 D. 50 E. 55

Q6. A number rounds to 0.0081 when rounded to 2 significant figures. Which of these CANNOT be the original number?

- A. 0.00805 B. 0.00809 C. 0.00813 D. 0.00814 E. 0.00815

Q7. Round 9,965 to 3 significant figures.

- A. 9,900 B. 9,960 C. 9,965 D. 9,970 E. 10,000

Q8. A car travels at 67.4 mph for 2.8 hours. Estimate the distance by rounding each value to 1 significant figure.

- A. 180 miles B. 189 miles C. 200 miles D. 210 miles E. 220 miles

Q9. Round 0.03951 to 1 significant figure.

- A. 0.003 B. 0.03 C. 0.039 D. 0.04 E. 0.4

Q10. A length is measured as 8.4 m to the nearest tenth of a metre. What is the LARGEST value the length could be?

- A. 8.39 m B. 8.40 m C. 8.44 m D. 8.45 m E. 8.50 m

Q11. Round 5.005 to 3 significant figures.

- A. 5.00 B. 5.005 C. 5.007 D. 5.01 E. 5.1

Q12. Estimate 9.97×10.03 by rounding each number to the nearest whole number.

- A. 98 B. 99 C. 99.9 D. 100 E. 101

Q13. Estimate $4,821 + 3,176 + 2,954$ by rounding each number to the nearest 1,000.

- A. 9,000 B. 10,000 C. 10,951 D. 11,000 E. 12,000

Q14. Round 0.099750 to 3 significant figures.

- A. 0.09 B. 0.0997 C. 0.09975 D. 0.0998 E. 0.1

Q15. An athlete runs 100 m in 9.87 seconds. Round the time to 2 significant figures.

- A. 9.7 B. 9.8 C. 9.87 D. 9.9 E. 10