Rounding and estimation

Name: _____ Date: _____



Mr Boston says: Keep the place-holder zeros: 3,846 to the nearest hundred is 3,800, not 38.

A. Nearest 10, 100, 1,000 and 10,000

1 Round 81,103 to the nearest 10.

Answer: _____

2 Round 96,997 to the nearest 100.

Answer: _____

3 Round 63,993 to the nearest 1,000.

Answer: _____

4 Round 62,686 to the nearest 10,000.

Answer: _____

B. Decimal places

5 Round 31.490 to 1 decimal place.

Answer: _____

6 Round 53.779 to 1 decimal place.

Answer: _____

7 Round 97.334 to 2 decimal places.

Answer: _____

8 Round 48.903 to 2 decimal places.

Answer: _____

C. Significant figures

9 Round 48,271 to 1 significant figure.

Answer: _____

10 Round 48,271 to 2 significant figures.

Answer: _____

11 Round 0.06382 to 1 significant figure.

Answer: _____

12 Round 0.06382 to 2 significant figures.

Answer: _____

13 Round 3.0749 to 3 significant figures.

Answer: _____

D. Estimating

Round each number to 1 significant figure first.

14 Estimate 39 × 52.

Answer: _____

15 Estimate 612 ÷ 29.

Answer: _____

16 Estimate (8.9 × 4.1) ÷ 1.95.

Answer: _____

17 Tayo buys 6 drinks at £1.89. Estimate the total.

Answer: _____

Answers for grown-ups

Rounding and estimation

1. Round 81,103 to the nearest 10. → **81,100**
2. Round 96,997 to the nearest 100. → **97,000**
3. Round 63,993 to the nearest 1,000. → **64,000**
4. Round 62,686 to the nearest 10,000. → **60,000**
5. Round 31.490 to 1 decimal place. → **31.5**
6. Round 53.779 to 1 decimal place. → **53.8**
7. Round 97.334 to 2 decimal places. → **97.33**
8. Round 48.903 to 2 decimal places. → **48.90**
9. Round 48,271 to 1 significant figure. → **50,000**
10. Round 48,271 to 2 significant figures. → **48,000**
11. Round 0.06382 to 1 significant figure. → **0.06**
12. Round 0.06382 to 2 significant figures. → **0.064**
13. Round 3.0749 to 3 significant figures. → **3.07**
14. Estimate 39 × 52. → **40 × 50 = 2,000**
15. Estimate 612 ÷ 29. → **600 ÷ 30 = 20**
16. Estimate (8.9 × 4.1) ÷ 1.95. → **(9 × 4) ÷ 2 = 18**
17. Tayo buys 6 drinks at £1.89. Estimate the total. → **6 × £2 = £12**