

1. Use the Associative Property to add. EXPLAIN how the Associative Property helps you add mentally.

$$3.47 + 0.9 + 9.76$$

2. Use the Associative Property to add. Show your work.

$$2.25 + (3.64 + 5.27)$$

3. Select the number in which the digit 6 is ten times the value of the digit 8 in 2.846. Mark all that apply.

a) 0.264

b) 5.679

c) 76.83

d) 10.765

e) 356.9

f) 35.69

4. Use the numbers and decimal to write a number in which the digit 5 is one tenth the value of the digit 5 in 8.354.

4

3

8

5

.

5. Write 291.753 in expanded form.

6. Write thirteen thousand and two hundred six thousandths in standard form.

7. Write 73.7 in word form.

8. Jon is not sure how to write 82.202 in expanded form using powers of ten. Write the number on each line that will correctly complete the expanded form of the number.

$$(8 \times \underline{\quad}) + (2 \times 1) + (2 \times \underline{\quad}) + (2 \times \underline{\quad})$$

9. Write $(3 \times 100) + (7 \times 1) + (9 \times \frac{1}{10}) + (4 \times \frac{1}{1000})$ in standard form.

10. In which number is the value of the digit 3 greater? Write the number in the box.

26.354

35

11. Select the number that shows the digit 7 with a value of 0.007. Mark all that apply.

a) 0.2670

b) 5.679

c) 96.837

d) 10.765

e) 356.907

f) 35.6007

12. Choose the symbol from the box to compare the numbers.

a) $378 \begin{matrix} > \\ = \\ < \end{matrix} 5.738$	$0.378 \begin{matrix} > \\ = \\ < \end{matrix} 3.0738$
b) $3.78 \begin{matrix} > \\ = \\ < \end{matrix} 37.8$	c) $0.78 \begin{matrix} > \\ = \\ < \end{matrix} 0.780$

13. Round 58.051 to the nearest whole number.

16. Choose the digits that show 2.087 rounded to the nearest hundredth.

2
3
4

0
1
2

0
7
8
9

Add or subtract.

17. Add or subtract

$$\begin{array}{r} 348.75 \\ + 22.15 \\ \hline \end{array}$$

$$\begin{array}{r} 8.05 \\ - 2.17 \\ \hline \end{array}$$

Estimate the sum or difference.

$$\begin{array}{r} \$42.75 \\ + \$20.05 \\ \hline \end{array}$$

$$\begin{array}{r} 78.05 \\ - 5.17 \\ \hline \end{array}$$

23. The distance around a park is 78.94 meters. Nikki runs around the park twice to catch her dog. How many meters does she run? Explain why your answer is reasonable and draw a model to show how you solved the problem.

24. Tina buys a book for \$43.95 and an extra bookmark for \$3.99. She receives a discount of \$5.49 for buying them together. Tina gives the clerk \$100. How much change should she receive? EXPLAIN why your answer is reasonable.

25. Andrea and Stefan had a contest to see who could juggle the soccer ball the longest. Andrea could juggle for 12.34 seconds. Stefan juggled for 20.46 seconds. ESTIMATE and then find how much longer Stefan juggled. EXPLAIN how you found your answers.



The bar represents one centimeter of the height. Shade the bar to show the total centimeters her brother grew.

28. At a movie theater Peter buys food that cost \$3, \$5.99, \$4.75. Peter gives the cashier \$15 and says to keep the \$3.50 change.

Part A

How much did Peter think the total was? Show your work.

Part B

What mistake did Peter make? Show your work and EXPLAIN your answer.

29. An elephant is 10.27 feet tall. It is reaching for the leaves on a tree by looking up and extending its trunk. The elephant's trunk is 5.3 feet long.

Part A

How tall is the elephant when it reaches up with its trunk? _____ feet

Part B

How much taller would the elephant need be to reach leaves that are 16 feet above the ground? _____ feet

30. For numbers 30a–30d, select True or False for the sum or difference.

30a. $\begin{array}{r} 2.58 \\ +0.13 \\ \hline 2.62 \end{array}$	True / False
30b. $\begin{array}{r} 45.3009 \\ +8.23 \\ \hline 53.53009 \end{array}$	True / False
30c. $\begin{array}{r} 35.538 \\ + \quad 37 \\ \hline 35.575 \end{array}$	True / False
30d. $\begin{array}{r} 103.01 \\ + \quad 3.1 \\ \hline 106.2 \end{array}$	True / False