

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

$$2.57 + 1.7 + 5.3$$

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

$$3.25 + (7.75 + 4.89)$$

3. Select the number in which the digit 8 is ten times the value of the digit 8 in 4.381. Mark all that apply.

A 183.9

B 3.458

C 56.82

D 9.548

E 0.184

F 1.83

4. Use the numbers and decimal to write a number in which the digit 2 is one tenth the value of the digit 2 in 8.524.

4

2

8

5

.

5. Write 247.903 in expanded form.

6. Write seventeen thousand and one hundred six thousandths in standard form.

7. Write 9.57 in word form.

8. Jon is not sure how to write 81.402 in expanded form using powers of ten. Write the number in each box that will correctly complete the expanded form of the number.

$$(8 \times \boxed{\phantom{00}}) + (1 \times 1) + (4 \times \boxed{\phantom{00}}) + (2 \times \boxed{\phantom{00}})$$

9. Write  $(2 \times 100) + (9 \times 1) + (7 \times \frac{1}{10}) + (8 \times \frac{1}{1,000})$  in standard form.

10. In which number is the value of the digit 5 greater? Write the number in the box.

3.514

25

11. Select the number that shows the digit 4 with a value of 0.04. Mark all that apply.

**A** 3.104

**B** 4.541

**C** 8.412

**D** 145.6

**E** 1.743

**F** 0.441

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

12. 113 

<
>
=

 2.135

13. 0.2 

<
>
=

 0.20

14. 0.3 

<
>
=

 0.030

15. 1.143 

<
>
=

 0.485

16. Round 17.641 to the nearest whole number.

17. Choose the digits that show 3.096 rounded to the nearest hundredth.

2
3
4

0
1
2

0
7
8
9

Add or subtract.

$$\begin{array}{r} 19. \quad 276.25 \\ + 13.87 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 4.72 \\ - 3.93 \\ \hline \end{array}$$

Estimate the sum or difference.

$$\begin{array}{r} 21. \quad \$44.31 \\ - \$12.35 \\ \hline \$ \end{array}$$

$$\begin{array}{r} 22. \quad 21.95 \\ + 3.04 \\ \hline \end{array}$$

23. The distance around a park is 308.94 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. Rey buys a skateboard for \$89.98 and a helmet for \$44.85 on tax-free day at a sports store. The store clerk gives Rey a discount of \$18.50 for both items. Rey gives the clerk \$150. How much change should he receive? Explain why your answer is reasonable.

25. At Bryan's school, the two fastest runners in the 100-yard dash had race times of 12.19 seconds and 12.38 seconds. Estimate and then find how much faster the first place runner was than the second place runner. Explain how you found your answers.

26. For numbers 26a–26e, choose Yes or No to indicate whether the number is correctly rounded to the given place value.

26a. 245.6 rounded to the ones is 246

Yes     No

26b. 723.14 rounded to the hundreds is 720

Yes     No

26c. 1,341.45 rounded to the tens is 134

Yes     No

26d. 45.932 rounded to the tenths is 45.9

Yes     No

26e. 219.934 rounded to the hundredths is 219.93

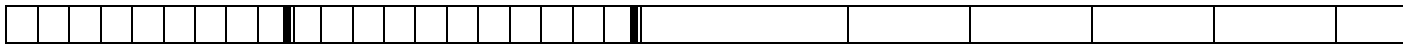
Yes     No

27. Shayna takes measurements of rainfall for a week. She measures 0.24 centimeters on Monday, 0.32 centimeters on Tuesday, and 0.18 centimeters on Friday. The rest of the days had no rain.

Part A Complete the data table

DAY	RAINFALL (cm)
Sunday	0
Wednesday	0
	0
	0
Saturday	

Part B



The bar represents one centimeter of rainfall. Shade the bar to show the total rainfall Shayna measured.

28. A lizard's body is 2.45 feet long. The lizard's tail is 1.82 feet long.

Part A

How long is the lizard? \_\_\_\_\_ feet

Part B

How much longer will the lizard need to grow to be 5 feet long?  
\_\_\_\_\_ feet

29. While working at a yard sale, Ying helps a customer who buys items that cost \$5, \$2, \$2.50, and \$0.25. The customer hands Ying \$3 and says to keep the \$0.18 change.

Part A

How much did the customer think the total was?

Show your work

Part B

What mistake did the customer make? Show your work and explain your answer.

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

30a. 
$$\begin{array}{r} 2.58 \\ +0.75 \\ \hline 3.33 \end{array}$$

True

False

30b. 
$$\begin{array}{r} 12.967 \\ + \quad 55 \\ \hline 13.022 \end{array}$$

True

False

30c. 
$$\begin{array}{r} 12.25 \\ +15.86 \\ \hline 27.01 \end{array}$$

True

False

30d. 
$$\begin{array}{r} 105.5 \\ + \quad 4.2 \\ \hline 109.7 \end{array}$$

True

False