

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

$$2.57 + 1.7 + 5.3$$

*(Handwritten student work area)*

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

$$3.25 + (7.75 + 4.89)$$

*(Handwritten student work area)*

- 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

(D) 9,548

(B) 3.458

(E) 0.184

(C) 56.82

(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	.	
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- 5 Write 247.903 in expanded form.

*(Handwritten student work area)*

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

*(Handwritten student work area)*

- 7 Write 9.57 in word form.

$9.57 = 9 + 0.5 + 0.07 = \text{NINE AND FIFTY-SEVEN HUNDRETHS}$

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

$$(8 \times \boxed{10}) + (1 \times 1) + (4 \times \boxed{0.1}) + (2 \times \boxed{0.01})$$

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

$200 + 9 + 0.7 + 0.008 = 209.708$

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

**3.514**

**25**

**5.123**

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

(A) 3.104

(D) 145.6

(B) 4.541

(E) 1.743

(C) 8.412

(F) 0.441

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	0	0
3	1	7
4	2	8
		9

- 18 Write the letter for the place value in the box next to the number that shows 143.649 rounded to that place value.

(A) tenths

143.65

(B) hundreds

100

(C) ones

144

(D) tens

143.6

(E) hundredths

140

**Add or subtract.**

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

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

**Estimate the sum or difference.**

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

Estimate: \$ \_\_\_\_\_

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

Estimate: \_\_\_\_\_

- 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 off the total. 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 how much faster the first place runner was than the second place runner then solve the problem. 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 centimeter on Monday, 0.32 centimeter on Tuesday, and 0.18 centimeter on Friday. The rest of the days had no rain.

**Part A**

Complete the data table.

Day	Rainfall (cm)
Sunday	0
Wednesday	0
	0
Saturday	

**Part B**

The bar below 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? \_\_\_\_\_ ft

**Part B**

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

- 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.

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**Part B**

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

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

30a.  $2.58$

$$\begin{array}{r} + 0.75 \\ \hline 3.33 \end{array}$$

- True     False

30b.  $12.967$

$$\begin{array}{r} + 55 \\ \hline 13.022 \end{array}$$

- True     False

30c.  $12.25$

$$\begin{array}{r} + 15.86 \\ \hline 27.01 \end{array}$$

- True     False

30d.  $105.5$

$$\begin{array}{r} + 4.2 \\ \hline 109.7 \end{array}$$

- True     False