



## Additional Practice 2-4

### Add Decimals

### Another Look!

A scientist used 0.62 milliliter of solution for an experiment and 0.56 milliliter of solution for a different experiment. How much solution did he use for the two experiments?



You can estimate first to be sure that your answer is reasonable. Both 0.62 and 0.56 are close to 0.5. So the answer will be close to  $0.5 + 0.5 = 1$ .

Write the numbers, lining up the digits by place value. Include the zeros as place holders in the ones place.

ones •	tenths	hundredths
0 •	6	2
+ 0 •	5	6
<hr/>		

Add by place value.

ones •	tenths	hundredths	
0 •	6	2	
+ 0 •	5	6	
<hr/>			
•	0	8	(0.02 + 0.06)
1 •	1		(0.6 + 0.5)
<hr/>			
1 •	1	8	

The scientist used 1.18 milliliters of solution.

**Leveled Practice** In 1–11, use place value and properties of operations to find the sum.

1.  $55.25 + 298 + 16.3$

$$\begin{array}{r} 55.25 \\ 2.98 \\ + 16.30 \\ \hline \end{array}$$

2.  $37.2$   
 $103.$   
 $+ 8.52$

3.  $2.97$   
 $+ 0.35$

4.  $5.62$   
 $+ 7.99$

5.  $23.59$   
 $+ 6.56$

6.  $13 + 7.69$

7.  $41.5 + 12.61$

8.  $39.48 + 26.7$

9.  $67.55 + 0.83$


10.  $88.8 + 4.27 + 78.95$

11.  $2.94 + 45 + 58.06$



For 12 and 13, use the table.

12. How much combined snowfall was there in Milwaukee and Oklahoma City?
13. What is the combined snowfall total for all three cities?

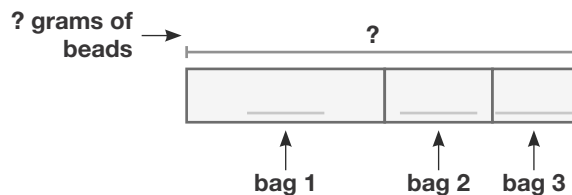


City	Snowfall (inches) in 2000
Milwaukee, WI	87.8
Baltimore, MD	27.2
Oklahoma City, OK	17.3

In science class, students weighed different amounts of clay. Carmen's weighed 4.361 ounces, Kim's weighed 2.704 ounces, Simon's weighed 5.295 ounces, and Angelica's weighed 8.537 ounces.

14. How many ounces of clay did Carmen and Angelica have in all?
15. How many ounces of clay did Kim and Simon have in all?

16. Three bags of beads have masses of 10.3 grams, 5.23 grams, and 3.74 grams. Complete the bar diagram to find the total mass of all the beads.



17. **Reasoning** Reilly adds 45.3 and 3.21. Should his sum be greater than or less than 48? Tell how you know.

18. **Higher Order Thinking** Patrick has a 600-meter skein of yarn. He used 248.9 meters of yarn to make a hat. Does he have enough yarn left to make a scarf that uses 354.03 meters of yarn? Explain.

### Assessment Practice

19. Choose all expressions that are equal to 15.02.

- ☐  $12.96 + 2.06$
- ☐  $0.56 + 14.64$
- ☐  $2.62 + 12.4$
- ☐  $1.22 + 1.8 + 12$
- ☐  $1 + 0.5 + 13.8$

20. Choose all expressions that are equal to 13.99.

- ☐  $13 + 0.9$
- ☐  $6.25 + 3.9 + 3.84$
- ☐  $4.635 + 9.355$
- ☐  $8 + 5.99$
- ☐  $10 + 3.09$