6-1 Name Date

Remembering

Add or subtract.

1. $4\frac{1}{8} + 1\frac{5}{8} =$

2. $4\frac{3}{5} + 6\frac{1}{5} =$

3. $6\frac{2}{3} - 5\frac{1}{3} =$

4. $7 - 1\frac{1}{2} =$

5. $8\frac{3}{4} - 2\frac{3}{4} =$

6. $\frac{2}{7} + \frac{4}{7} =$

7. $15 - 3\frac{1}{7}$

8. $5\frac{4}{5} + 1\frac{1}{8}$

9. $11\frac{1}{5} - 9\frac{3}{4}$

10. $1\frac{5}{6} + \frac{1}{3}$

11. $2\frac{2}{3} + 7\frac{5}{9}$

12. $6\frac{3}{7} + 1\frac{1}{14}$

Copy each exercise. Then subtract.

13. $12{,}389 - 2.75 =$

14. $165.98 - 127.2 =$

15. $326.55 - 23.81 =$

16. **Stretch Your Thinking** Garrett wants to buy a new soccer ball, a pair of shorts, and a pair of soccer shoes. The ball costs $12.55, the shorts cost $22.98, and the shoes cost $54.35. Garrett has $85.00. How much more money does Garrett need? Write an equation to solve the problem.

6-2 Name _____ Date _____

Remembering

Multiply.

1. $\frac{6}{7} \cdot 42 =$ _____
2. $\frac{1}{3} \cdot 36 =$ _____
3. $\frac{4}{5} \cdot 15 =$ _____
4. $\frac{1}{4} \cdot 28 =$ _____
5. $\frac{5}{9} \cdot 81 =$ _____
6. $\frac{3}{8} \cdot 72 =$ _____

Write an equation. Then solve. *Show your work.*

7. There is $\frac{1}{4}$ of a peach pie left after a family picnic. Four cousins share the leftover pie equally. What fraction of a whole pie will each cousin receive?

_____

8. Tully has 24 stamps in his collection. This is $\frac{1}{3}$ times the number Jordan has. How many stamps does Jordan have?

_____

Write an equation to solve the problem. Draw a model if you need to.

9. Candace jumped 11.45 feet in a long jump competition. What is the length of Maria's jump if she jumped 1.05 fewer feet than Candace?

_____

10. **Stretch Your Thinking** Ms. Jackson has $97.00 to spend on games for her classroom. She buys six board games that cost $11.95 each and a video game that costs $24.10. How much money does Ms. Jackson have left to buy more games? Write an equation to solve the problem.

_____

_____

6-3 Name _____ Date _____

Remembering

Complete each fraction box.

1.

$\frac{3}{4}$ and $\frac{5}{6}$	
>	
+	
−	
·	

2.

$\frac{3}{5}$ and $\frac{8}{15}$	
>	
+	
−	
·	

Solve. *Show your work.*

3. A $1,508 award is shared equally by 8 people. What is each person's share of the award?

_____

4. Felipe has 54 coins in his collection. His brother Pedro has 1,269 coins. The number of coins Pedro has is how many times the number his brother has?

_____

Write an equation to solve the problem. Draw a model if you need to.

5. How many periods of time, each $\frac{1}{6}$ of an hour long, does a 10-hour period of time represent?

_____

6. **Stretch Your Thinking** Write a word problem for the following equation. $\frac{4}{5} \cdot \frac{1}{4} + \frac{3}{5} = \frac{4}{5}$

_____

_____

_____

_____

_____

6-4 Name _____ Date _____

Remembering

Write an estimated answer for each problem. Then find and write each exact answer.

	Estimated Answer	Exact Answer
1. 41×77	$\approx$ _____ $\times$ _____ $\approx$ _____	$41 \times 77 =$ _____
2. 3.8×1.9	$\approx$ _____ $\times$ _____ $\approx$ _____	$3.8 \times 1.9 =$ _____
3. 7.3×5.01	$\approx$ _____ $\times$ _____ $\approx$ _____	$7.3 \times 5.01 =$ _____

Divide.

4. $45\overline{)6{,}733}$

5. $61\overline{)7{,}892}$

6. $28\overline{)3{,}123}$

Write a word problem for the equation. Draw a model to show the product.

7. $\frac{5}{6} \cdot 4 = \frac{20}{6}$

_____

_____

_____

_____

_____

8. **Stretch Your Thinking** Kaley has $2\frac{3}{8}$ yards of fabric. She cuts and uses $1\frac{1}{16}$ yards from the fabric. She estimates that less than 1 yard of fabric is left over. Is her estimate reasonable? Explain.

_____

_____

_____

6-5 Name _____ Date _____

Remembering

Add or subtract.

1. $6\frac{6}{7} + 2\frac{3}{14}$

2. $1\frac{2}{3} - \frac{5}{9}$

3. $12\frac{4}{5} - 8\frac{5}{10}$

4. $11 - 5\frac{5}{11}$

5. $7\frac{1}{5} + 1\frac{2}{3}$

6. $9\frac{3}{4} + 2\frac{5}{6}$

7. Use the number line to find $\frac{2}{3} \cdot \frac{4}{5}$.
   Label all the parts above and below. _____

Write an equation to solve the problem. Use mental math or estimation to show that your answer is reasonable.

8. Terrell runs two timed drills at practice. The first drill takes 33.5 seconds and the second drill takes 28.2 seconds. How much time does it take him to complete both drills?

   Equation: _____

   Estimate: _____

   _____

   _____

9. **Stretch Your Thinking** Maverick has a $12\frac{3}{4}$-foot-long streamer to decorate a hallway at his school. He cuts off $\frac{3}{8}$ of a foot from each end to make it fit the hallway. His principal asks him to make another streamer that is $\frac{5}{6}$ as long. How long is the new streamer?

   _____

6-6 Name _____ Date _____

Remembering

Copy each exercise. Then add or subtract

1. $22.09 - 17 =$ _____
2. $7 - 0.05 =$ _____
3. $4.07 - 0.3 =$ _____
4. $44 + 5.06 =$ _____
5. $0.07 + 0.8 =$ _____
6. $0.55 + 0.31 =$ _____

Solve.

7. $0.5 \times 0.04 =$ _____
8. $0.3 \times 0.7 =$ _____
9. $0.07 \times 0.2 =$ _____

10. $\begin{array}{r} 0.46 \\ \times\ 80 \\ \hline \end{array}$
11. $\begin{array}{r} 0.06 \\ \times\ 0.8 \\ \hline \end{array}$
12. $\begin{array}{r} 3.2 \\ \times\ 9 \\ \hline \end{array}$

Solve each problem. *Show your work.*

13. A soccer team has 35 soccer balls. One fifth of the balls are made of leather. How many of the balls are leather?

_____

14. There are 56 fifth graders who play basketball. That is 7 times the number of fifth graders who play tennis. How many fifth graders play tennis?

_____

15. **Stretch Your Thinking** Samantha draws a hopscotch diagram on the sidewalk in front of her house. The diagram is 10 feet long. Her neighbor asks her to draw a 4-foot hopscotch diagram on a canvas mat. In simplest form, what fraction of the length of Samantha's diagram is her neighbor's diagram?

_____

6-7 Name _____ Date _____

Remembering

Solve.

1. 6.9×4.2

2. 7.3×0.90

3. 5.8×0.54

4. 5.3×0.08

5. 0.7×6.25

6. 9.4×1.7

Divide.

7. $0.05\overline{)4.5}$

8. $0.3\overline{)1.5}$

9. $0.04\overline{)2.32}$

10. $0.64\overline{)4.928}$

11. $0.6\overline{)5.43}$

12. $0.08\overline{)4.32}$

Solve. Draw a model if you will find it helpful.

13. The gymnasium at Audubon Middle School is $\frac{5}{6}$ the height of a 30-foot-tall building that is next to the gymnasium. What is the height (h) in feet of the gymnasium?

_____

14. Amiee's karate instructor has 595 students. That is 5 times the number of students that her dance instructor has. How many students does her dance instructor have?

_____

15. **Stretch Your Thinking** Draw a model that shows $5 \cdot \frac{3}{5} = 3$.

_____

6-8 Name Date

Remembering

Multiply.

1. 56×3
2. 256×7
3. $3{,}801 \times 6$
4. $4{,}239 \times 9$
5. 84×23
6. 67×18
7. 88×39
8. 42×45

Multiply or divide.

9. $0.67\overline{)502.5}$
10. $0.21\overline{)945}$
11. 0.55×0.30
12. 32.5×6.3

Write an equation and use it to solve the problem. Draw a model it you need to.

13. Lindsay is shopping for a new CD player. The cost of one CD player she is considering is $56.55. The cost of a higher priced CD player is $14.25 more. What is the cost (c) of the higher priced CD player?

_____

14. **Stretch Your Thinking** Use the equation below to write a word problem. Leave out one piece of information that is needed to solve the problem and describe the information that should have been included. $b = (5 \cdot 6) + 10$

_____

_____

_____

_____

_____

6-9 Name _____ Date _____

Remembering

Solve.

1. 500×60

2. 500×50

3. 900×40

4. 30×10

5. 200×70

6. 300×80

Complete each division. Check your answer.

7. $7\overline{)3{,}451}$

8. $4\overline{)2{,}155}$

9. $8\overline{)4{,}122}$

10. $5\overline{)1{,}242}$

11. $3\overline{)2{,}114}$

12. $9\overline{)5{,}778}$

Write and solve an equation to solve the problem. If the problem does not have enough information, write the information that is needed to solve the problem.

13. Danny has \$14.75, Jason has \$22.10, and Trey has \$87.45. How much more money (m) does Trey have than the combined amounts of the other two boys?

Show your work.

_____

14. **Stretch Your Thinking** Write a multistep word problem in which the remainder is the solution. Write an equation that will solve it.

_____

_____

_____

_____

_____

6-10 Name _____ Date _____

Remembering

Multiply.

1. $\begin{array}{r} 495 \\ \times \quad 7 \\ \hline \end{array}$

2. $\begin{array}{r} 126 \\ \times \quad 6 \\ \hline \end{array}$

3. $\begin{array}{r} 2{,}689 \\ \times \quad 3 \\ \hline \end{array}$

4. $\begin{array}{r} 3{,}249 \\ \times \quad 8 \\ \hline \end{array}$

5. $\begin{array}{r} 78 \\ \times 21 \\ \hline \end{array}$

6. $\begin{array}{r} 68 \\ \times 55 \\ \hline \end{array}$

7. $\begin{array}{r} 41 \\ \times 33 \\ \hline \end{array}$

8. $\begin{array}{r} 92 \\ \times 89 \\ \hline \end{array}$

Divide.

9. $0.7\overline{)49}$

10. $0.03\overline{)18}$

11. $0.4\overline{)0.8}$

12. $0.09\overline{)27}$

13. $0.5\overline{)172.5}$

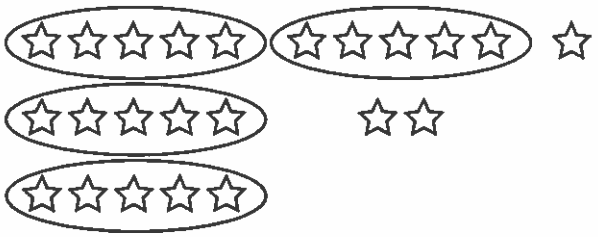
14. $0.06\overline{)8.4}$

Write an equation to solve the problem.

15. After a deposit of \$250, a withdrawal of \$312, and a deposit of \$15, the balance in a savings account is \$67.50. What was the balance (b) before the deposits and withdrawal?

_____

16. **Stretch Your Thinking** Write an equation that is represented by the following diagram.



_____

6-11 Name _____ Date _____

Remembering

Compare. Write > (greater than) or < (less than).

1. 0.05 ◯ 0.5
2. 0.61 ◯ 0.6
3. 0.77 ◯ 0.7
4. 0.34 ◯ 0.43
5. 0.28 ◯ 0.29
6. 0.981 ◯ 0.978

Solve the problem.

7. The charge for skating is \$6.35 for skate rental, $1\frac{1}{3}$ hours of skating at \$18 per hour, and an additional \$1 fee. What is the total cost (*c*) for skating?

_____

8. **Stretch Your Thinking** Make a table that lists the data from the bar graph.