7-1 Name Date

Remembering

Complete each division. Check your answer.

1. $3\overline{)1{,}957}$
2. $9\overline{)3{,}103}$
3. $7\overline{)5{,}768}$

Divide.

4. $69\overline{)4{,}899}$
5. $87\overline{)2{,}001}$
6. $52\overline{)3{,}432}$
7. $25\overline{)1{,}175}$
8. $38\overline{)2{,}660}$
9. $46\overline{)2{,}438}$

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

10. Jesse drives $6\frac{3}{8}$ miles in a golf cart during a round of golf. Payton drives $7\frac{3}{4}$ miles. How much farther does Payton drive?

_____

11. **Stretch Your Thinking** Write the computation in words for an expression that uses all four operations (addition, subtraction, multiplication, and division). Then, write an expression for the words.

_____

_____

_____

7-2 Name _____ Date _____

Remembering

Solve.

1. $5\overline{)44.3}$

2. $2\overline{)125.65}$

3. $5\overline{)34.565}$

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

4. The students of Turner Middle School are going on a field trip. There are 540 students attending. A bus can hold 45 students. How many buses are needed for the field trip?

_____

5. The area of a rectangular court is 433.37 square meters, and the length of the court is 28.7 meters. What is width of the court?

_____

Write the computation in words.

6. $5 \div \frac{1}{8}$ _____

7. $2.4 \div 0.6 + 0.2$ _____

8. **Stretch Your Thinking** Write step-by-step instructions for simplifying the following expression.

$$10 \cdot [60 \div (11 + 4)] - 3$$

_____

_____

_____

_____

7-3 Name _____ Date _____

Remembering

Solve.

1. $0.8\overline{)64}$

2. $0.008\overline{)72}$

3. $0.04\overline{)16}$

4. $0.5\overline{)80}$

5. $0.48\overline{)1{,}536}$

6. $0.76\overline{)1{,}596}$

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

7. $\frac{1}{2} \cdot \frac{4}{5} = x$

_____

_____

_____

_____

_____

Simplify. Follow the Order of Operations.

8. $\frac{3}{5} - 2 \cdot \frac{1}{10}$

9. $40 \div (6 - 1) \cdot 3$

10. $\left(\frac{1}{2} + \frac{3}{8}\right) \cdot 24$

11. $0.4 \div (0.09 - 0.07)$

12. $66 - 150 \div 10$

13. $6 \cdot 5 - 9 \div 3$

14. **Stretch Your Thinking** Write a two-operation expression that equals 31 when evaluated for $x = 5$.

_____

7-4 Name _____ Date _____

Remembering

Solve.

Show your work.

1. Manny has 40 ounces of butter that he is cutting into 1.25-ounce slices. How many slices will he have?

_____

2. Tracy is running in a 5.25-kilometer race on Saturday. A marathon is approximately 42 kilometers. How many times as long as Tracy's race is a marathon?

_____

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

3. Each Saturday morning, Janie works 5 hours and earns $35.75. How much does Janie earn for each hour she works?

Equation: _____

Estimate: _____

_____

Evaluate the expression.

4. $120 \div (t \cdot 3)$ for $t = 4$

5. $m \cdot 2\frac{2}{3}$ for $m = 5$

6. $4 \cdot (2 + c)$ for $c = 8$

7. $7\frac{1}{2} - p$ for $p = \frac{5}{6}$

8. $60 - z \div 2$ for $z = 20$

9. $x \div 0.9$ for $x = 3.6$

10. **Stretch Your Thinking** Create your own numerical pattern. Write the starting number, the rule, and the first 5 terms in the pattern. Then write an expression for the tenth term.

_____

_____

7-5 Name _____ Date _____

Remembering

Divide.

1. $0.9\overline{)54}$

2. $0.09\overline{)27}$

3. $1.2\overline{)0.6}$

4. $0.06\overline{)48}$

5. $0.4\overline{)188.4}$

6. $0.08\overline{)56}$

7. a. Write the first five terms of a numerical pattern that begins with 5 and then adds 6.

_____

b. Write an expression for the sixth term of the pattern.

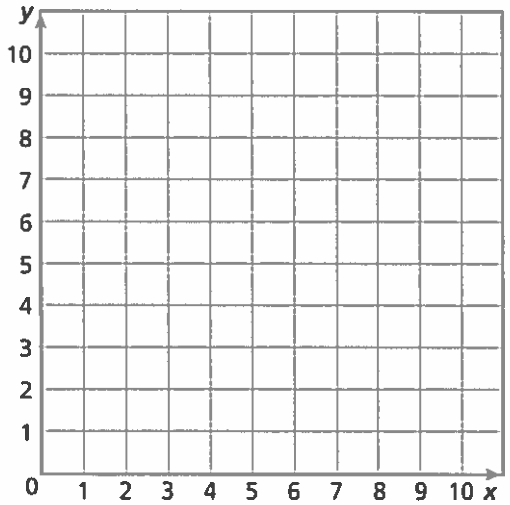
_____

c. Write the sixth term.

_____

8. **Stretch Your Thinking** List and graph four ordered pairs that are vertices of a rectangle with a perimeter of 16 units.

_____



7-6 Name Date

Remembering

Multiply.

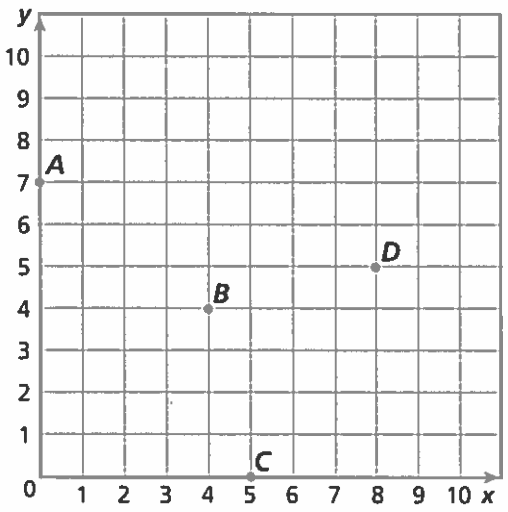
1. $\begin{array}{r} 76 \\ \times\ 4 \\ \hline \end{array}$

2. $\begin{array}{r} 199 \\ \times\ 6 \\ \hline \end{array}$

3. $\begin{array}{r} 7{,}907 \\ \times\ 2 \\ \hline \end{array}$

4. $\begin{array}{r} 98 \\ \times\ 78 \\ \hline \end{array}$

Use the coordinate plane below to answer the questions.



Write an ordered pair to represent the location of each point.

5. point *A* _____

6. point *B* _____

7. point *C* _____

8. point *D* _____

9. **Stretch Your Thinking** Give the ordered pair for a point *E* so that when the points *B*, *D*, *E*, and *C* are connected (in that order), a square is formed. Then, find the area of square *BDEC*.

_____

7-7 Name Date

Remembering

Write and solve an equation to solve the problem.

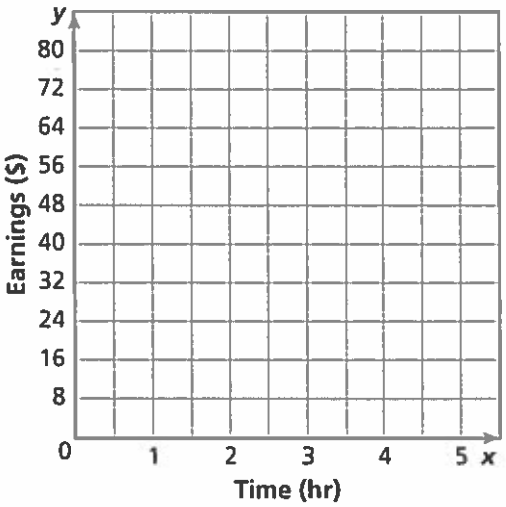
1. A group of 25 classmates visits an amusement park. When they arrive, $\frac{3}{5}$ of the students want to ride the fastest roller coaster first. How many students is this?

_____

Nicole makes $8 per hour working at a daycare center.

2. Complete the table.

Time (hr)	0	1	2	3
Earnings ($)		8		



3. Write the ordered (x, y) pairs the data represent. Then graph and connect the points and extend the line.

_____, _____, _____, _____

4. How much money would Nicole make in $2\frac{1}{2}$ hours? Explain your answer.

_____

_____

5. **Stretch Your Thinking** Which points listed lie on the line? Which points do not lie on the line? Explain.

(0, 5) (1, 5) (2, 4), (3, 6), (4, 3)

_____

_____

_____

_____

_____