5-1 Name _____ Date _____

Remembering

Write each fraction as a decimal.

1. $\frac{2}{10}$ _____
2. $\frac{556}{1,000}$ _____
3. $\frac{6}{100}$ _____
4. $\frac{17}{100}$ _____
5. $\frac{23}{1,000}$ _____
6. $\frac{5}{1,000}$ _____
7. $\frac{1}{10}$ _____
8. $\frac{33}{100}$ _____
9. $\frac{85}{100}$ _____

Solve.

10. 400×70
11. 300×30
12. 700×40
13. 20×50
14. 900×50
15. 800×30

Solve. *Show your work.*

16. Sarah is dividing pies into eighths. She has 4 pies. How many eighths will she have?

_____

17. The track team plans to sprint 20 miles this school year. The runners will sprint $\frac{1}{4}$ mile each day. How many days will it take them to sprint 20 miles?

_____

18. **Stretch Your Thinking** Mrs. Thomas bought a bed for $1,548 and three armchairs. The bed cost 4 times as much as one armchair. How much did Mrs. Thomas spend altogether?

_____

5-2 Name _____ Date _____

Remembering

Solve. Use any method. *Show your work.*

1. $\begin{array}{r} 68 \\ \times\ 21 \\ \hline \end{array}$

2. $\begin{array}{r} 36 \\ \times\ 92 \\ \hline \end{array}$

3. $\begin{array}{r} 25 \\ \times\ 44 \\ \hline \end{array}$

Complete each division. Check your answer.

4. $5\overline{)1{,}267}$

5. $3\overline{)1{,}374}$

6. $7\overline{)4{,}618}$

7. Chloe sorts her beads. The number of red beads she has is $5\frac{5}{6}$ times the number of green beads. If she has 60 green beads, how many red beads does she have?

_____

8. Brad plans to bike $15\frac{3}{4}$ miles. He has gone $\frac{2}{3}$ of the entire distance. How far has he gone?

_____

9. **Stretch Your Thinking** Write and solve a division problem that divides a 4-digit number by a 2-digit number. How did you estimate the first digit of the quotient?

_____

_____

5-3 Name _____ Date _____

Remembering

Multiply. Simplify first if you can.

1. $\frac{3}{4} \cdot \frac{12}{13} =$ _____

2. $\frac{1}{4} \cdot \frac{3}{7} =$ _____

3. $\frac{7}{8} \cdot \frac{4}{5} =$ _____

4. $\frac{3}{8} \cdot \frac{4}{15} =$ _____

5. $\frac{4}{5} \cdot \frac{10}{12} =$ _____

6. $\frac{1}{5} \cdot \frac{5}{6} =$ _____

Complete the equations.

7. $0.65 \times 10^1 =$ _____
   $0.65 \times 10^2 =$ _____
   $0.65 \times 10^3 =$ _____

8. $0.8 \times 10^1 =$ _____
   $0.8 \times 10^2 =$ _____
   $0.8 \times 10^3 =$ _____

9. $2.45 \times 10^1 =$ _____
   $2.45 \times 10^2 =$ _____
   $2.45 \times 10^3 =$ _____

Divide.

10. $41\overline{)3{,}444}$

11. $36\overline{)1{,}944}$

12. $93\overline{)7{,}254}$

13. In Marla's school, $\frac{6}{15}$ of the students do not ride the bus to school. Of these students $\frac{5}{9}$ walk to school. What fraction of the students in Marla's school walk to school?

_____

14. **Stretch Your Thinking** Ben starts with a certain number of fruit chew packages. He puts 27 packages into each of 85 cases. He has 3 packages left. How many packages of fruit chews did Ben start with? Explain how you know.

_____

_____

_____

5-4 Name _____ Date _____

Remembering

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

1. 0.6 ◯ 0.06
2. 0.4 ◯ 0.41
3. 0.87 ◯ 0.8
4. 0.67 ◯ 0.76
5. 0.44 ◯ 0.39
6. 0.657 ◯ 0.668

Divide.

7. $66\overline{)5{,}745}$
8. $54\overline{)4{,}806}$
9. $36\overline{)2{,}597}$

Solve.

Show your work.

10. Martin asked friends to buy raffle tickets. On Saturday, he sold tickets to 5 of the 12 friends he asked. On Sunday, he sold tickets to 7 of the 9 friends he asked. On which day did he sell tickets to the greater fraction of the friends he asked?

_____

11. Emma bought $\frac{7}{8}$ yard of striped ribbon and $\frac{8}{9}$ yard of solid ribbon. Which kind of ribbon did she buy more of?

_____

12. **Stretch Your Thinking** Write and solve a division word problem for which the remainder is the answer.

_____

_____

_____

_____

5-5 Name _____ Date _____

Remembering

Multiply.

1. 326×2
2. 575×5
3. $5{,}492 \times 8$
4. $4{,}512 \times 9$
5. 58×43
6. 79×52
7. 36×21
8. 89×67

Solve. Give your answer in simplest form.

9. $\frac{1}{8} \div 5 =$ _____
10. $\frac{1}{4} \cdot 1\frac{2}{3} =$ _____
11. $\frac{5}{6} - \frac{2}{3} =$ _____
12. $6 \div \frac{1}{3} =$ _____
13. $\frac{5}{6} + \frac{5}{8} =$ _____
14. $6\frac{3}{4} \cdot \frac{1}{6} =$ _____

Solve. Circle the choice that tells how you gave your answer. *Show your work.*

15. A rollercoaster holds 45 people. There are 387 people waiting to board the rollercoaster. How many times will the rollercoaster need to run to give everyone a ride?

_____

whole number only | *round up* | *mixed number* | *decimal* | *remainder only*

16. **Stretch Your Thinking** I am a number less than 3,000. When you divide me by 32, my remainder is 30. When you divide me by 58, my remainder is 44. What number am I?

_____

5-6 Name _____ Date _____

Remembering

Solve. *Show your work.*

1. Aiden buys a pair of jeans that costs $45.28. The sales tax that will be added to the cost of the jeans is $3.62. What is the total cost of the jeans?

_____

2. When Madison got her kitten, Fluffy, he weighed 787.37 grams. He now weighs 2,085.8 grams more than he did when Madison first brought him home. How much does Fluffy weigh now?

_____

Solve.

3. 150×0.6

4. 3.41×48

5. 2.28×5

6. 0.9×4

7. 0.45×86

8. 0.03×80

Divide.

9. $33\overline{)2{,}143}$

10. $9\overline{)4{,}140}$

11. $4\overline{)6{,}403}$

12. **Stretch Your Thinking** What part of this problem needs to be changed to make it correct? Explain how you know.
$46 \div 8 = 6.75$

_____

_____

_____

5-7 Name _____ Date _____

Remembering

Solve. *Show your work.*

1. Tyler is making a history project and needs two poster boards. He cuts one to measure 42.25 inches in length. He cuts the second to measure 34.75 inches in length. What is the difference between the two lengths of poster board?

_____

2. Ella has $2,251.88 in her bank account. She withdraws $852. How much money is left in her bank account?

_____

Solve.

3. 0.05×0.4

4. 2.5×5

5. 0.32×70

6. 0.2×0.8

7. 0.09×0.4

8. 0.6×0.09

Solve.

9. $5\overline{)17.4}$

10. $6\overline{)416.46}$

11. $7\overline{)32.55}$

12. **Stretch Your Thinking** Look at the division problem $112 \div 0.056$. Without solving, how many zeros will be in the quotient? How do you know?

_____

_____

_____

_____

5-8 Name _____ Date _____

Remembering

Round to the nearest tenth.

1. 1.28 _____ **2.** 14.21 _____ **3.** 8.148 _____

Round to the nearest hundredth.

4. 4.769 _____ **5.** 45.124 _____ **6.** 16.107 _____

Solve.

7. 7.7 × 1.4

8. 3.1 × 0.05

9. 5.79 × 0.9

10. 3.4 × 8.8

11. 3.5 × 0.46

12. 8.6 × 0.90

Solve.

13. $0.9\overline{)36}$

14. $0.006\overline{)48}$

15. $0.04\overline{)32}$

16. $0.7\overline{)364}$

17. $0.34\overline{)2{,}210}$

18. $0.83\overline{)1{,}494}$

19. Stretch Your Thinking Must a decimal divisor and a decimal dividend have the same number of decimal places in order to have a whole-number quotient? Write a division equation using two decimal numbers to support your answer.

_____

5-9 Name _____ Date _____

Remembering

Add or subtract.

1. $1\frac{1}{2} + 5\frac{5}{6}$

2. $2\frac{3}{5} + 5\frac{3}{10}$

3. $1\frac{1}{3} - \frac{1}{6}$

4. $7\frac{3}{10} + 2\frac{1}{5}$

5. $9\frac{1}{8} - 2\frac{3}{4}$

6. $12 - 5\frac{2}{3}$

Find each product.

7. 7.8×1.2

8. 3.3×0.67

9. 91×0.49

10. 0.25×72

11. 68×0.17

12. 0.76×28

Divide.

13. $0.08\overline{)6.4}$

14. $0.8\overline{)7.2}$

15. $0.07\overline{)5.67}$

16. $0.58\overline{)5.336}$

17. $0.9\overline{)6.3}$

18. $0.05\overline{)1.75}$

19. **Stretch Your Thinking** Write a real world division problem for which you would drop the remainder.

_____

_____

_____

5-10 Name _____ Date _____

Remembering

Multiply.

1. 47×7
2. 181×3
3. $4{,}609 \times 5$
4. $2{,}115 \times 6$
5. 86×75
6. 22×15
7. 53×25
8. 38×36

Divide.

9. $0.06\overline{)24}$
10. $0.3\overline{)228.6}$
11. $0.08\overline{)28.4}$

Tell whether you need to multiply or divide. Then solve. *Show your work.*

12. A rectangle has an area of 4 square meters. The width is $\frac{1}{5}$ meter. What is the length of the rectangle?

_____

13. Audubon Preschool has 154 children in one age group. One seventh of those children arrive for early morning drop off. How many children arrive for early morning drop off?

_____

14. **Stretch Your Thinking** Write a division word problem that requires dividing two decimals to solve. Write a multiplication equation to check your answer.

_____

_____

_____

_____

5-11 Name _____ Date _____

Remembering

Add or subtract.

1. $21 + 1.08 =$ _____
2. $0.62 + 0.49 =$ _____
3. $0.06 + 0.5 =$ _____
4. $6 - 0.09 =$ _____
5. $3.01 - 0.8 =$ _____
6. $12.05 - 8 =$ _____

Complete each fraction box.

7.

$\frac{1}{3}$ and $\frac{4}{9}$	
>	
+	
−	
·	

8.

$\frac{2}{7}$ and $\frac{1}{4}$	
>	
+	
−	
·	

Multiply or divide.

9. $\begin{array}{r} 37.5 \\ \times\ 3.5 \\ \hline \end{array}$

10. $\begin{array}{r} 0.63 \\ \times\ 0.27 \\ \hline \end{array}$

11. $0.93\overline{)567.3}$

12. **Stretch Your Thinking** Use the term *dividend*, *divisor*, or *quotient* to complete each sentence. Then write a division equation that fits the description.

The _____ is a decimal in thousandths.

The _____ is a decimal in thousandths.

The _____ is a two-digit whole number.

Division problem: _____