VCA

3rd Grade

Summer Math Packet

Name _____

Parents: Here is a packet of review of what your child learned in 3rd grade. Doing this over the summer will keep their minds sharp and help them recall what they need to know heading into 4th grade. This is not required but they will receive a special treat if they hand it in when they return to school in the fall.

We will also be sending home log-in information for some on-line math games.

Mrs. Fitz

VCA Math Coach

Name: _____ Date: _____

Numbers to 10,000

Lesson 1.1 Counting

Write in standard form.

1. five thousand, five _____

2. three thousand, twenty-nine _____

3. seven thousand, four hundred _____

4. nine thousand, nine hundred, nineteen _____

5. eight thousand, eighty-eight _____

Write the numbers in word form.

6. 6,900

_____

7. 3,077

_____

8. 4,621

_____

9. 2,198

_____

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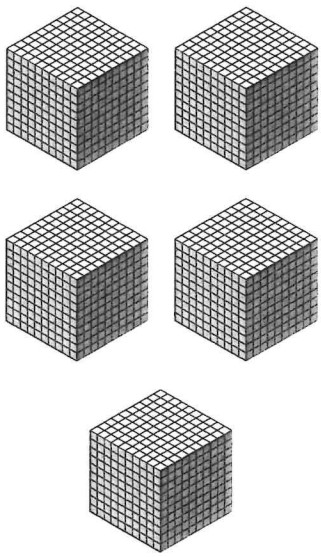
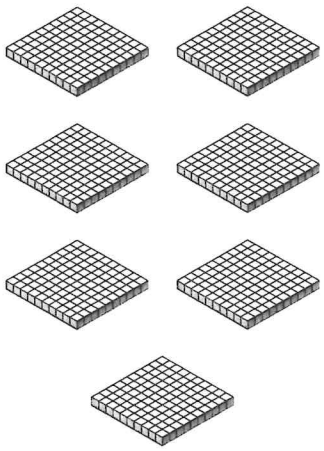
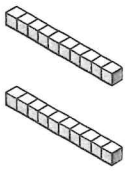
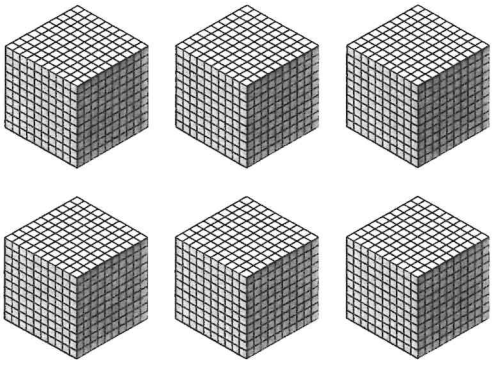
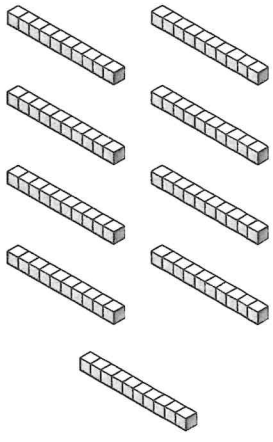
Fill in the blanks.

Example

Thousands	Hundreds	Tens	Ones
			

5 thousands, 7 hundreds 2 tens 9 ones = 5,729

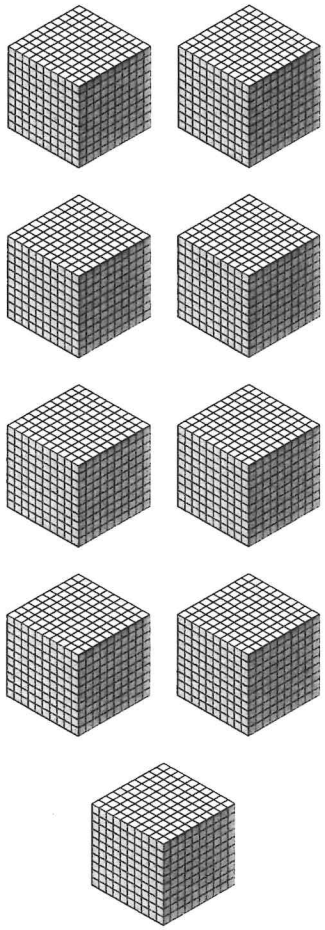
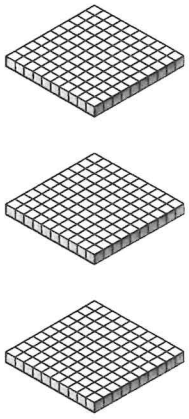
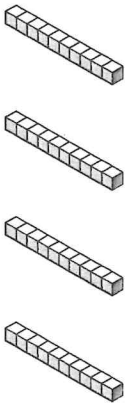
10.

Thousands	Hundreds	Tens	Ones
			

_____ thousands, _____ hundreds _____ tens _____ ones = _____

Name: _____ Date: _____

11.

Thousands	Hundreds	Tens	Ones
			

_____ thousands, _____ hundreds _____ tens _____ ones = _____

Name: _____ Date: _____

Complete each number pattern.

12. 3,665 3,765 3,865 _____ _____ _____

13. 7,523 7,623 7,723 _____ _____ _____

14. 1,798 2,798 _____ _____ _____

15. 4,321 5,321 _____ _____ _____

16. 3,894 3,884 _____ _____ _____

17. 5,762 5,752 _____ _____ _____

18. 8,205 7,205 _____ _____ _____

19. 6,127 5,127 _____ _____ _____

Fill in the missing numbers.

20. 10 more than 8,905 is _____.

21. 100 more than 9,327 is _____.

22. 1,000 more than 7,365 is _____.

23. 10 less than 6,738 is _____.

24. 100 less than 5,861 is _____.

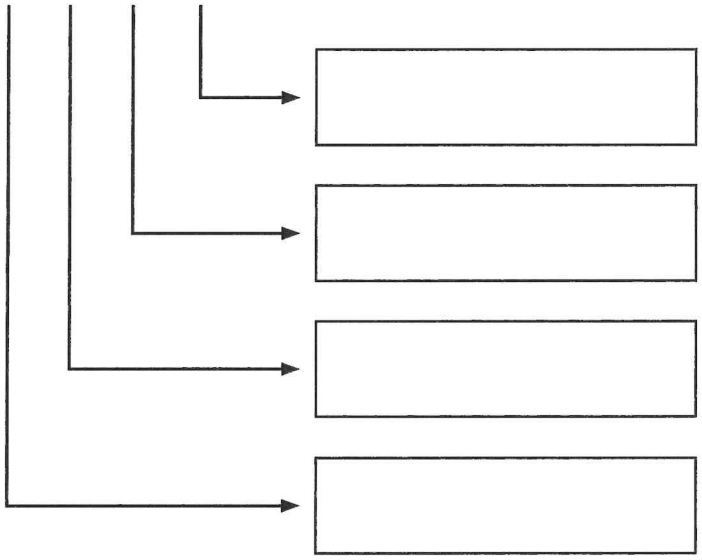
25. 1,000 less than 8,495 is _____.

Name: _____ Date: _____

Lesson 1.2 Place Value

Fill in the missing numbers.

1. 7 , 2 5 6



2. In 8,349,

the digit 3 stands for _____.

the digit 9 stands for _____.

the digit 8 stands for _____.

the digit 4 stands for _____.

Name: _____ Date: _____

Add.

6.
$$\begin{array}{r} 2,659 \\ +\ \ 800 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 3,406 \\ +\ \ 713 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 4,542 \\ +\ 2,923 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 5,615 \\ +\ 3,604 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 6,729 \\ +\ 1,830 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 5,807 \\ +\ 3,982 \\ \hline \end{array}$$

Add.

12. The sum of 3,684 and 2,700 is ☐.

13. The sum of 3,503 and 5,956 is ☐.

14. 5,833 + 3,465 = ☐

15. 7,944 + 1,845 = ☐

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Lesson 3.3 Addition with Regrouping in Ones, Tens, and Hundreds

Add.

1.

$$\begin{array}{r} 738 \\ +\ 695 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 867 \\ +\ 367 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 679 \\ +\ 846 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 567 \\ +\ 948 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 2,946 \\ +\ 3,688 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 3,752 \\ +\ 3,568 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 4,276 \\ +\ 4,789 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 1,819 \\ +\ 6,399 \\ \hline \end{array}$$

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Subtract. Then solve.

5.

$$\begin{array}{r} 1,000 \\ -\ \ 480 \\ \hline \end{array}$$

P

6.

$$\begin{array}{r} 3,000 \\ -\ 1,254 \\ \hline \end{array}$$

I

7.

$$\begin{array}{r} 5,000 \\ -\ 2,586 \\ \hline \end{array}$$

R

8.

$$\begin{array}{r} 6,000 \\ -\ 2,936 \\ \hline \end{array}$$

C

9.

$$\begin{array}{r} 7,005 \\ -\ 3,468 \\ \hline \end{array}$$

E

10.

$$\begin{array}{r} 8,060 \\ -\ 2,384 \\ \hline \end{array}$$

U

11.

$$\begin{array}{r} 5,200 \\ -\ 4,837 \\ \hline \end{array}$$

A

12.

$$\begin{array}{r} 9,010 \\ -\ 5,192 \\ \hline \end{array}$$

O

13.

$$\begin{array}{r} 1,000 \\ -\ \ 726 \\ \hline \end{array}$$

N

Name: _____ **Date:** _____

Help Jenny solve the riddle.
Write the corresponding letters to find out.

_____	_____	_____	_____
(363)	(520)	(3,818)	(2,414)
_____	_____	_____	_____
(3,064)	(5,676)	(520)	(1,746)
_____	_____		
(274)	(3,537)		

What kind of pine has the sharpest needles?

Solve. Show your work.

14. Mrs. Jones has 726 pencils.
She wants to give 4,005 children one pencil each.
How many more pencils does Mrs. Jones need?

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3. John and Tracy sell flags to raise money for their club. John sells 457 flags and Tracy sells 686 flags.

a. How many flags do they sell in all?

b. Who sells more flags? How many more?

4. On Valentine's Day, Kiri makes 96 bookmarks. Zelda makes 120 bookmarks.

a. How many more bookmarks does Zelda make than Kiri?

b. How many bookmarks do they make altogether?

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15. Talia uses the digits 5, 9, 0, 4, and 8.
Help Talia form the

a. greatest 2-digit odd number.

b. smallest 2-digit even number.

c. greatest 3-digit odd number.

d. greatest 3-digit even number.

e. smallest 3-digit odd number.

f. smallest 3-digit even number.

g. greatest 4-digit even number.

h. smallest 4-digit odd number.

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Multiply. Use skip counting to help you.

20. $8 \times 2 =$ _____

21. $4 \times 4 =$ _____

22. $5 \times 0 =$ _____

23. $6 \times 3 =$ _____

24. $7 \times 4 =$ _____

25. $8 \times 5 =$ _____

26. $6 \times 10 =$ _____

27. $7 \times 3 =$ _____

Fill in the missing numbers.

28. $4 \times$ _____ $=$ _____ $\times 4 = 20$

29. _____ $\times 3 = 3 \times$ _____ $= 24$

30. $10 \times$ _____ $=$ _____ $\times 10 = 90$

31. _____ $\times 5 = 5 \times$ _____ $= 45$

32. _____ $\times 2 = 16$

33. _____ $\times 3 = 27$

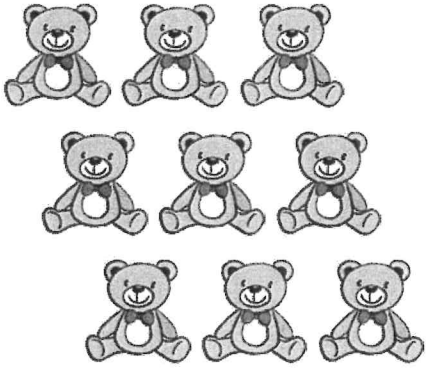
34. $4 \times$ _____ $= 36$

35. $5 \times$ _____ $= 25$

Name: _____ **Date:** _____

17. Jason makes 6 bookmarks in an hour.
How many bookmarks can he make in 7 hours?

18. Sarah has 9 teddy bears.
Each teddy bear costs $6.
How much do the 9 teddy bears cost in all?



Name: _____ Date: _____

Fill in the missing numbers.

5. $7 \times$ _____ $= 56$ So, $56 \div 7 =$ _____.

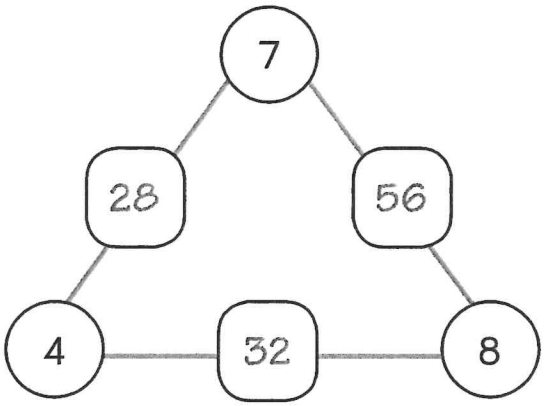
6. $8 \times$ _____ $= 72$ So, $72 \div 8 =$ _____.

7. $9 \times$ _____ $= 54$ So, $54 \div 9 =$ _____.

8. $6 \times$ _____ $= 42$ So, $42 \div 6 =$ _____.

Each square is the product of the circles on either side of it.
Fill in the missing numbers.
Then use each multiplication fact to write two division facts.

Example



4 × 7 = 28

28 ÷ 4 = 7

28 ÷ 7 = 4

8 × 7 = 56

56 ÷ 7 = 8

56 ÷ 8 = 7

4 × 8 = 32

32 ÷ 4 = 8

32 ÷ 8 = 4

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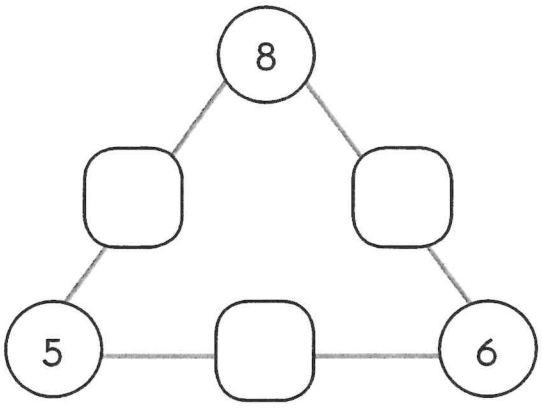
Each square is the product of the circles on either side of it.
Fill in the missing numbers.
Then use each multiplication fact to write two division facts.

9.



_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____

_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____

_____ × _____ = _____

_____ ÷ _____ = _____

_____ ÷ _____ = _____

Name: _____ Date: _____

Lesson 6.7 Division: Making Equal Groups

Fill in the missing numbers.

1. _____ × 9 = 72

72 ÷ 9 = _____

2. _____ × 8 = 24

24 ÷ 8 = _____

Divide.

3. 56 ÷ 7 = _____

4. 42 ÷ 6 = _____

5. 64 ÷ 8 = _____

6. 81 ÷ 9 = _____

Solve. Show your work.

7. Each boat has 7 sailors.
There are 63 sailors altogether.
How many boats are there?

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8. There are 48 children participating in a math competition.
The children are placed in groups.
Each group has 6 children.
How many groups are there?

9. Marco has 56 markers.
He keeps 8 markers in each box.
How many boxes of markers does Marco have?

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Division

Think of the multiplication facts for 6, 7, 8, and 9.
Then fill in the missing numbers.

1. _____ × 6 = 48 48 ÷ 6 = _____

2. _____ × 8 = 72 72 ÷ 8 = _____

3. _____ × 7 = 56 56 ÷ 7 = _____

4. _____ × 9 = 54 54 ÷ 9 = _____

5. _____ × 7 = 49 49 ÷ 7 = _____

6. _____ × 6 = 54 54 ÷ 6 = _____

7. _____ × 8 = 64 64 ÷ 8 = _____

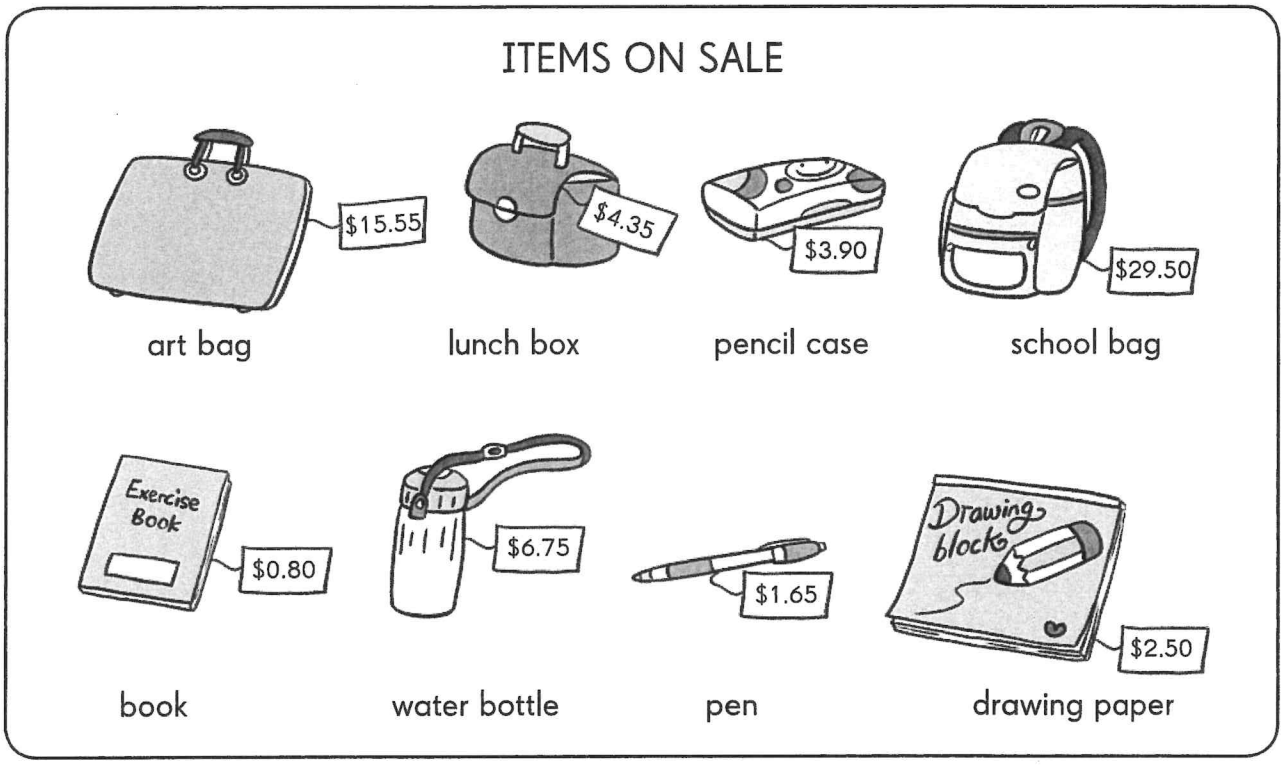
8. _____ × 7 = 63 63 ÷ 7 = _____

9. _____ × 6 = 42 42 ÷ 6 = _____

10. _____ × 9 = 81 81 ÷ 9 = _____

Name: _____ **Date:** _____

Look at the advertisement.



Find each cost.

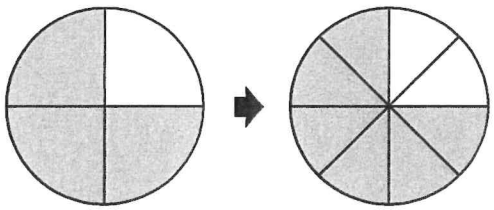
22. a lunch box and a water bottle	**23.** an art bag and a pencil case
24. two pens and a water bottle	**25.** a drawing paper and two school bags

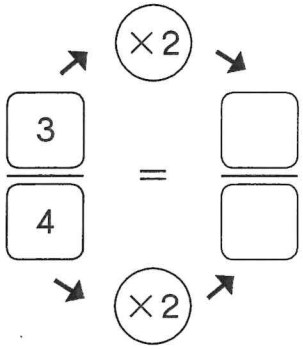
Name: _____ Date: _____

Lesson 14.3 More Equivalent Fractions

Write the missing numerator, denominator, and fraction.

1.

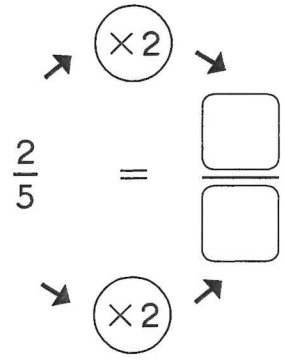




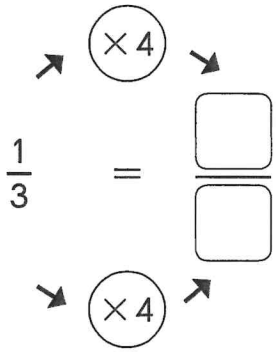
$\frac{3}{4}$ is equivalent to $\square$.

Find the missing numerators and denominators.

2.



3.



Name: _____ Date: _____

Fill in the missing numerator or denominator.

1. $\frac{1}{6} = \frac{\square}{12}$

2. $\frac{2}{2} = \frac{\square}{8} = \square$

3. $\frac{1}{3} = \frac{\square}{6}$

4. $\frac{1}{2} = \frac{4}{\square}$

5. $\frac{3}{4} = \frac{\square}{8}$

6. $\frac{6}{6} = \frac{\square}{12} = \square$

7. $\frac{2}{3} = \frac{\square}{12}$

8. $\frac{5}{6} = \frac{\square}{12}$

9. $\frac{4}{5} = \frac{8}{\square}$

10. $\frac{3}{4} = \frac{9}{\square}$

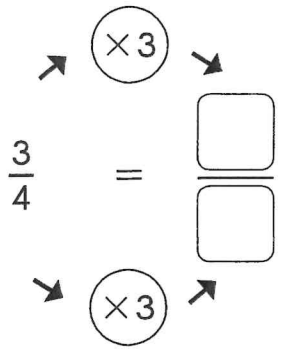
11. $\frac{2}{6} = \frac{4}{\square}$

12. $\frac{3}{3} = \frac{6}{\square} = \square$

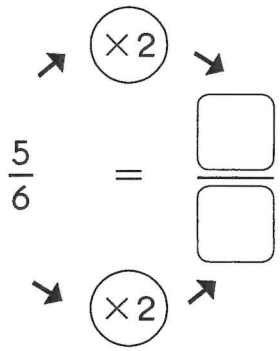
Name: _____ Date: _____

Find the missing numerators and denominators.

4.



5.



Find the missing numerators or denominators.

6. $\frac{4}{5} = \frac{\square}{10}$

7. $\frac{1}{2} = \frac{6}{\square}$

8. $\frac{2}{3} = \frac{6}{\square}$

9. $\frac{2}{9} = \frac{4}{\square}$

10. $\frac{3}{4} = \frac{\square}{8} = \frac{\square}{12} = \frac{\square}{16}$

11. $\frac{3}{3} = \frac{6}{\square} = \frac{9}{\square} = \frac{12}{\square}$

12. $\frac{3}{5} = \frac{\square}{10} = \frac{\square}{15} = \frac{\square}{20}$

Multiplication Facts to 81 (D)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

3 × 2	9 × 6	9 × 5	2 × 9	3 × 6	8 × 3	5 × 6	6 × 5	8 × 6	4 × 8
7 × 6	6 × 7	8 × 2	6 × 3	8 × 9	5 × 5	2 × 2	3 × 7	7 × 9	9 × 8
3 × 8	5 × 3	2 × 5	6 × 2	9 × 4	5 × 8	4 × 9	3 × 4	6 × 6	2 × 3
3 × 5	4 × 2	4 × 7	9 × 9	2 × 4	2 × 8	8 × 8	7 × 4	9 × 2	5 × 7
6 × 9	7 × 7	3 × 9	6 × 4	8 × 7	4 × 3	7 × 5	6 × 8	5 × 2	9 × 7
2 × 7	8 × 4	9 × 3	5 × 4	4 × 4	7 × 3	7 × 8	2 × 6	4 × 5	7 × 2
5 × 9	8 × 5	4 × 6	3 × 3	8 × 8	6 × 4	9 × 2	3 × 2	3 × 3	4 × 7
7 × 8	5 × 5	4 × 4	9 × 9	3 × 6	2 × 2	8 × 7	8 × 3	3 × 7	9 × 4
4 × 8	9 × 6	7 × 7	7 × 6	4 × 9	3 × 9	4 × 3	3 × 4	7 × 2	8 × 9
9 × 7	7 × 9	5 × 6	4 × 5	8 × 5	2 × 5	3 × 5	3 × 8	5 × 2	9 × 5

Multiplication Facts to 81 (A)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

9 × 5	5 × 6	4 × 8	4 × 7	8 × 3	4 × 3	6 × 2	2 × 3	2 × 2	8 × 6
7 × 4	9 × 2	6 × 4	3 × 3	9 × 9	5 × 8	5 × 7	5 × 3	9 × 8	7 × 8
3 × 9	7 × 3	8 × 7	8 × 9	7 × 5	7 × 6	6 × 9	3 × 2	7 × 7	6 × 6
4 × 2	9 × 7	9 × 6	4 × 6	2 × 8	2 × 9	9 × 4	8 × 8	3 × 4	5 × 2
2 × 7	4 × 4	3 × 5	2 × 5	6 × 5	2 × 4	8 × 2	3 × 6	6 × 3	3 × 8
9 × 3	6 × 8	3 × 7	4 × 9	2 × 6	5 × 4	8 × 4	7 × 2	4 × 5	8 × 5
5 × 5	6 × 7	5 × 9	7 × 9	5 × 2	3 × 8	4 × 3	5 × 4	4 × 8	2 × 6
9 × 3	8 × 3	3 × 3	9 × 7	6 × 8	8 × 5	2 × 8	4 × 5	8 × 2	7 × 8
6 × 4	7 × 5	9 × 9	2 × 9	4 × 7	6 × 7	7 × 7	3 × 2	3 × 9	4 × 9
8 × 8	5 × 7	5 × 6	9 × 2	7 × 6	7 × 9	7 × 4	2 × 4	6 × 3	5 × 9

Multiplication Facts to 81 (F)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

9 × 3	9 × 8	4 × 2	8 × 6	8 × 2	9 × 4	2 × 9	3 × 6	6 × 9	5 × 9
4 × 5	4 × 7	3 × 3	2 × 6	2 × 4	6 × 4	2 × 3	8 × 3	7 × 8	5 × 3
5 × 8	7 × 4	9 × 9	8 × 5	7 × 7	2 × 8	8 × 9	9 × 7	8 × 4	4 × 6
2 × 2	4 × 8	7 × 6	7 × 5	5 × 4	6 × 6	8 × 7	4 × 9	5 × 5	5 × 6
3 × 8	9 × 6	6 × 5	3 × 7	2 × 5	7 × 2	3 × 2	5 × 2	2 × 7	7 × 3
7 × 9	3 × 9	6 × 8	6 × 3	3 × 4	6 × 7	3 × 5	6 × 2	8 × 8	4 × 4
4 × 3	9 × 2	9 × 5	5 × 7	7 × 9	6 × 3	6 × 7	8 × 2	7 × 5	4 × 4
3 × 2	3 × 6	8 × 8	9 × 3	5 × 2	6 × 6	9 × 8	2 × 3	7 × 8	5 × 4
2 × 2	7 × 4	2 × 7	5 × 7	9 × 5	4 × 8	6 × 4	4 × 5	4 × 6	2 × 9
6 × 8	7 × 7	5 × 5	3 × 9	7 × 6	7 × 3	4 × 3	6 × 5	9 × 4	3 × 5