Gull Lake Community Schools

Summer Math Packet 3rd Grade

Dear Student,

It's a sad fact that almost everyone forgets how to do some math over the summer. Because we want you to be as ready as possible for 4th grade next year, we have made these nifty practice sheets for you. All you have to do is a few problems each day for eight weeks. Print the sheets off and bring them back completed in the fall and you will get two things: a little token (also known as a *prize*) and a little jump start to the fall. (Won't it feel good to remember how to do things that other kids in your class have forgotten?)

We have also written a letter to your parents (p. 19) and have included some activities you can do online to improve your skills (p. 20). As John Adams (a famous American) said, "Practice makes perfect." But the main thing you need to remember is that **math is fun!**
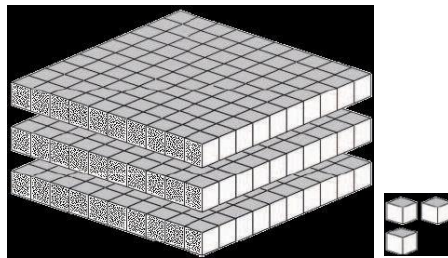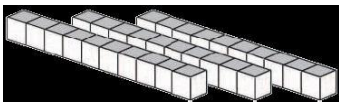
Solve by making place value drawings:
(We started them for you this time.)

■■■

　300

　-179

■■ |||||| · · · · ·

265

+135 ■

||| · · · · ·

Practice your multiplication facts for 15 minutes.
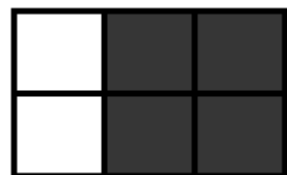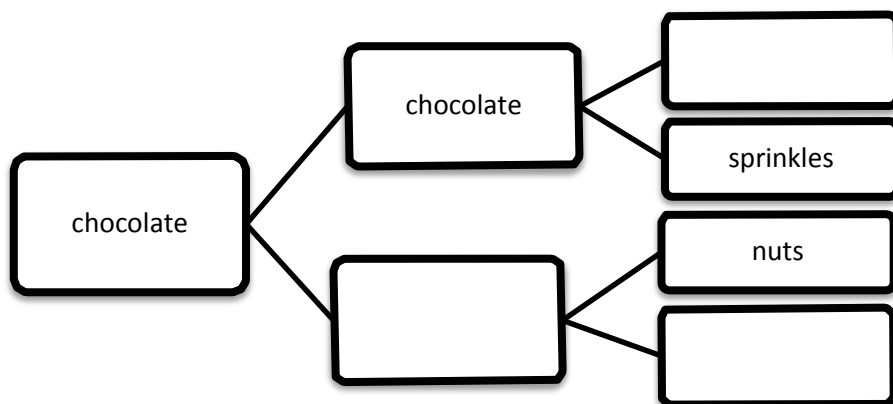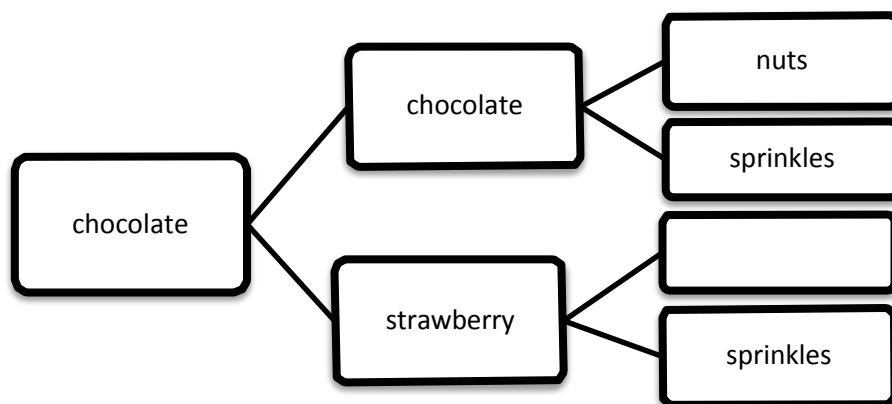
Parent signature:_____
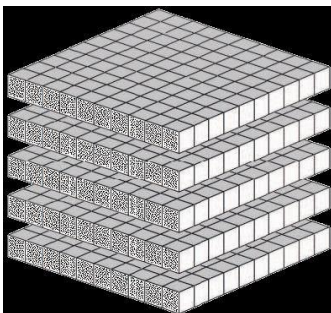
| What number? |

| What number? |

Name the fraction shown by the picture.

Michaela was making an ice cream sundae. She had her choice of two kinds of ice cream: chocolate and vanilla. She also had two sauces: chocolate and strawberry. Then she could choose from two toppings: nuts or sprinkles. How many choices of sundaes does Michaela have? (Fill in the boxes to help you.)

```
                          ┌──────────┐
                    ┌─────│   nuts   │
           ┌──────────┐   └──────────┘
     ┌─────│ chocolate│
     │     └──────────┘   ┌──────────┐
┌──────────┐        └─────│ sprinkles│
│ chocolate│              └──────────┘
└──────────┘        ┌──────────┐
     │     ┌──────────┐  └─────│          │
     └─────│strawberry│        └──────────┘
           └──────────┘   ┌──────────┐
                    └─────│ sprinkles│
                          └──────────┘


                          ┌──────────┐
                    ┌─────│          │
           ┌──────────┐   └──────────┘
     ┌─────│ chocolate│
     │     └──────────┘   ┌──────────┐
┌──────────┐        └─────│ sprinkles│
│ chocolate│              └──────────┘
└──────────┘        ┌──────────┐  ┌──────────┐
     │     ┌──────────┐  └─────│   nuts   │
     └─────│          │        └──────────┘
           └──────────┘   ┌──────────┐
                    └─────│          │
                          └──────────┘
```

a. 40 x 2 =

b. 50 x 3 =

c. 20 x 6 =

d. 10 x 9 =

Practice your multiplication facts for 15 minutes.
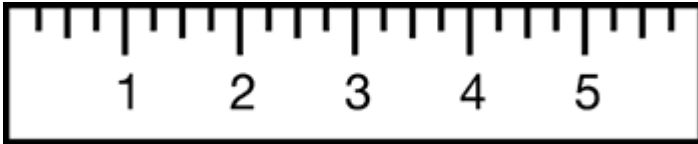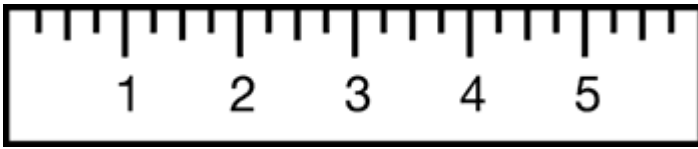
Parent signature:_____

How much money?

_____

_____

Measure each line to the nearest half-inch.

Joey is taking care of four dogs in his neighborhood: Fido, Fifi, Forest, and Fred.
- Fido and Forest have long tails.
- Fifi does not have pointed ears.
- Fido has thick fur around his neck.

Can you name all the dogs?

1/4 of the way done!
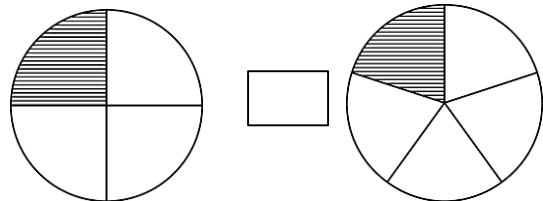
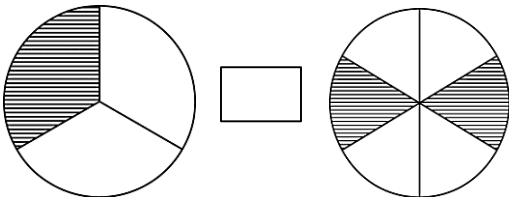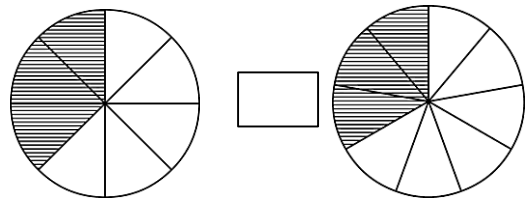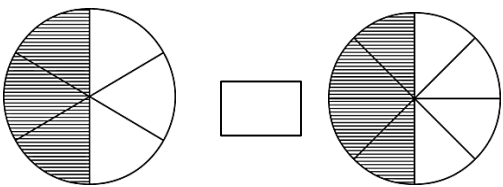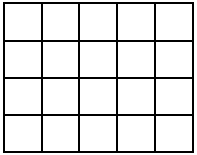Solve by making place value drawings:

114
+68
‾‾‾‾

205
-46
‾‾‾‾

Practice your multiplication facts for 15 minutes.

Parent signature:_____

Compare the fractions using < = >
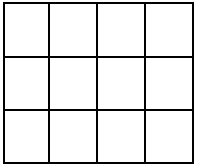
Write the fact families shown by these arrays.

| X | = | | X | = |
| ÷ | = | | ÷ | = |

| X | = | | X | = |
| ÷ | = | | ÷ | = |

Alondra's brother Silbano gave her three cards. One card had a 3 on it, one had a 4 on it, and one had a 5 on it. Silbano asked Alondra how many different 2- digit numbers she could make with the three cards.   Can you help her? (Here are some numbers to help you get started.)

34
35

Round to the nearest 100:

459 ⟶ ▢

1290 ⟶ ▢
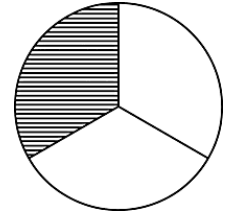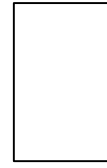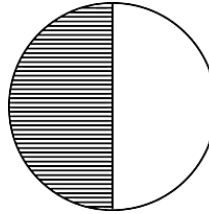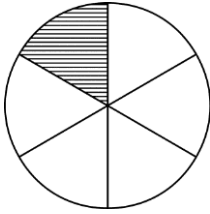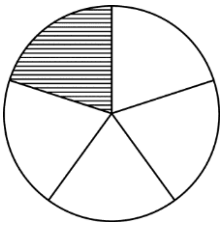
567 ⟶ ▢

442 ⟶ ▢

Practice your multiplication facts for 15 minutes.

Parent signature:_____

What time?

| : | | : | | : |

Name the fractions for the shaded portion, then compare using < > =

Donovan had to pay 15 cents for a piece of gum. How many different ways could he pay for it? (Use the table to help you figure it out.)

	Dimes 10¢	Nickels 5¢	Pennies 1¢
Group 1	1	1	
Group 2	1	0	5
Group 3			
Group 4			
Group 5			
Group 6			

Guess what? You're ½ done!

11 tens + 3 hundreds + 7 ones = _____
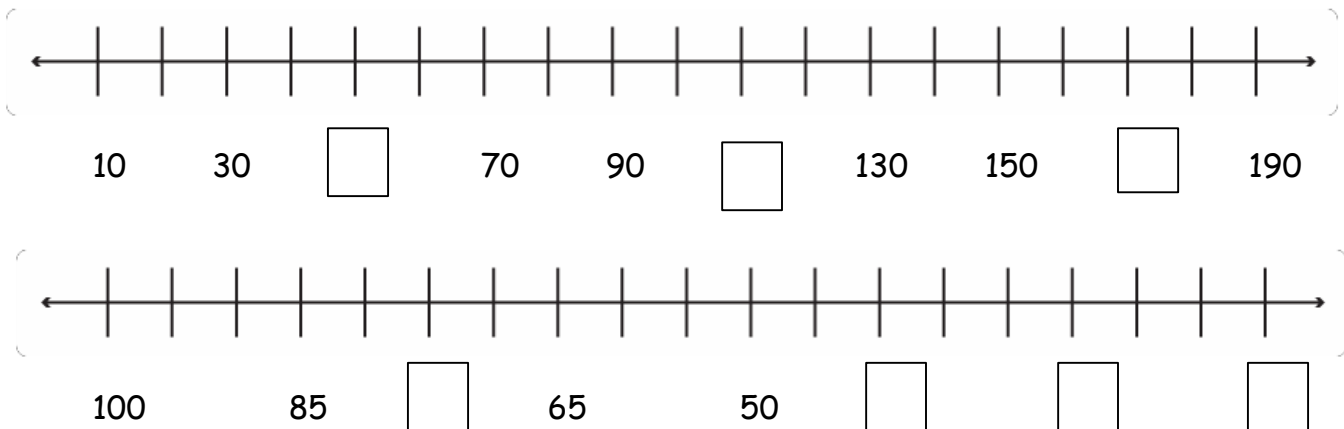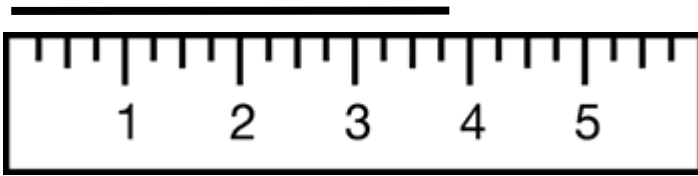
8 ones + 6 hundreds = _____

2 hundreds + 14 ones = _____

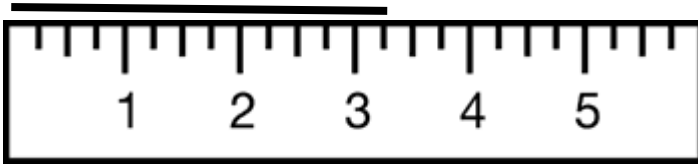Practice your multiplication facts for 15 minutes.

Parent signature:_____
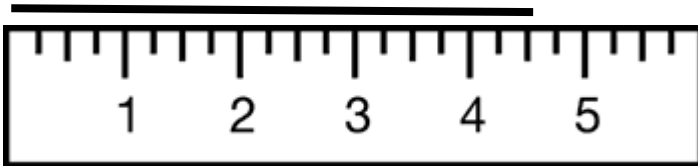
Fill in the missing numbers on each number line.

10   30   ☐   70   90   ☐   130   150   ☐   190

100   85   ☐   65   50   ☐   ☐   ☐

Measure to the nearest ¼ inch.

_____

_____

_____

Anna had to help put away beach towels. She put them in two stacks on a shelf. She put three towels on each stack. She put the green towel under the blue towel. She put the yellow towel on the right side of the green towel. She put the purple towel on top of the blue towel. Finally, Anna put the red towel between the yellow towel and the white towel. Where did Anna put each towel on the shelf?

Round each number to the nearest 10:

83 ⟶ ☐

115 ⟶ ☐

89 ⟶ ☐

99 ⟶ ☐

Practice your multiplication facts for 15 minutes.

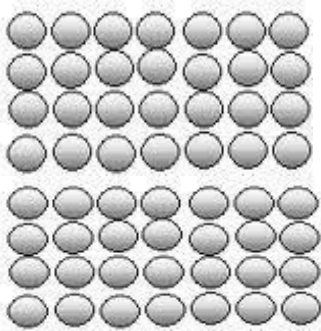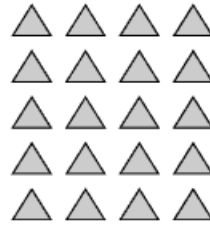Parent signature:_____

How much money?

$_____._____

$_____._____

Write the fact families shown by these arrays.

×	=
×	=
÷	=
÷	=

×	=
×	=
÷	=
÷	=

Tyler, Andrew, and Jared collected pop cans to turn in for money. On the first day, they found 2 cans. The next day they found 4 cans. Each day they found 2 more cans than they did the day before. On what day will they find a total of 42 cans? (Fill in the table to help you.)

Day	1	2	3	4	5	6	7	8
Cans at the beginning of the day	0	2	6					
Cans added	2	4						
Total	2	6						

3/4 done!

50 x 3= _____

70 x 6 = _____

80 x 7 = _____

30 x 9 = _____

Practice your multiplication facts for 15 minutes.

Parent signature:_____

Match each picture to the fraction it shows:
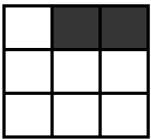
2/4   5/6
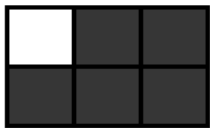
2/9   4/5

1/8   5/6

What time is it?

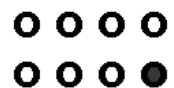Kaleb is helping his dad grill some hamburgers. There is already cheese on one of the hamburgers. His dad wants him to put cheese on 5 more hamburgers, but he also wants him to leave one hamburger without cheese in each row and in each column. How can Kaleb put the cheese on the hamburgers?
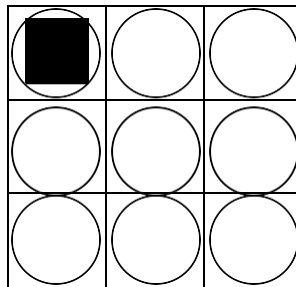
Solve by making place value drawings:

180
-72

155
+46

Practice your multiplication facts for 15 minutes.

Parent signature: _____

Write the missing numbers on the number line:

| 20 | 17 | ☐ | 13 | 10 | ☐ | 6 | ☐ |

| 100 | 400 | ☐ | 800 | ☐ | 1200 | ☐ | 1800 |

How much money?

$ __ . __

Costs the same as
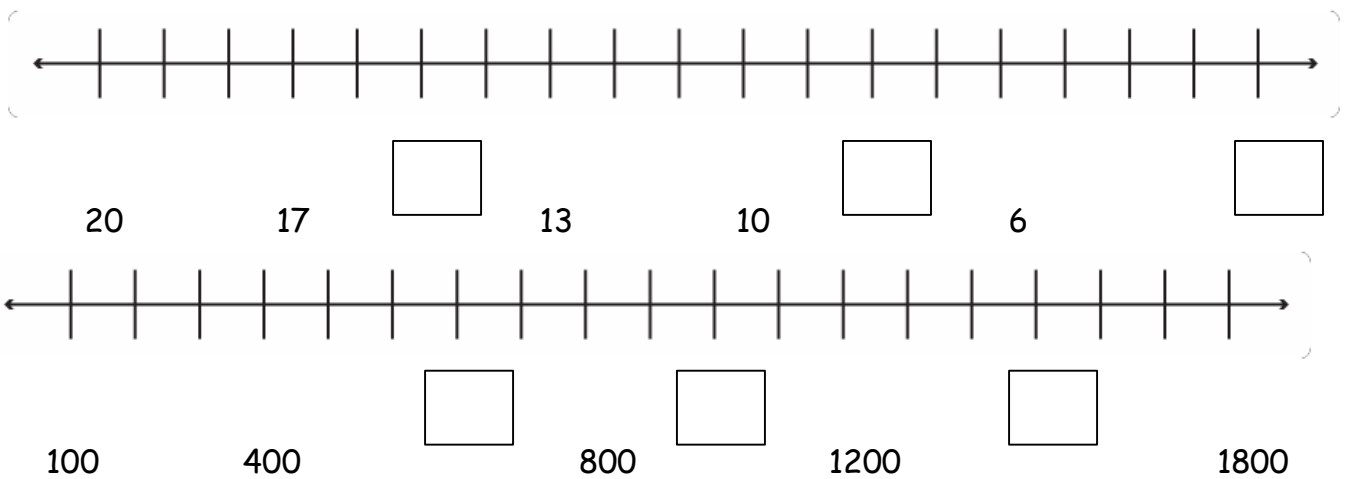
If one ⟨slingshot⟩ costs $5, then how much does one ⟨elf⟩ cost?

Great work! You're done! Don't forget to bring this book to school to claim your prize!

Dear Parents/Guardians,

We have prepared these math sheets to help your child maintain math skills over the summer months. We hope you will offer support in seeing that these few problems are done each day. Knowing that summers are busy, we have tried to make the activities as fun and meaningful as possible.

In developing this packet, we looked at the National Common Core Standards of Math, which emphasize problem-solving. We also asked our middle school and high school colleagues the most important skills for our students to master. Their number one answer was to make sure that all students knew their multiplication facts. The second thing they said was to make sure that students had a basic understanding of fractions. Research also tells us that students who have a mental picture of a number line are more successful than those who don't. The packet's focus on number lines and fractions are intended to deal with the latter two skills. For learning multiplication facts, drill and practice is the best. We have included some multiplication fact drills, but with computer access, there are some games on the web resource page that are much more fun.

Finally, even some fifth grade students still need to learn to tell time (on an analogue clock

), measure lengths, and count money. *Fortunately, these life skills can be practiced with you every day!* (These skills are generally not formally taught in math class after 3rd grade.)

We at Ryan look forward working with you as partners in helping your child maintain the math skills he or she will need in the fall. As an added incentive, we will give a small prize to anyone who brings a completed print the weekly problem pages back in the fall.

Have a wonderful summer and have fun with math!

Math Websites for Students and Parents to Enjoy!

http://www.aplusmath.com	This web site was developed to help students improve their math skills interactively. Included are math games, flash cards, worksheets and much more!
http://www.aaamath.com	AAA Math features interactive arithmetic lessons. Unlimited practice is available on each topic (Kindergarten through Eighth grade level), which allows thorough mastery of the concepts.
http://www.usmint.gov/kids/	Summer fun with coins! Join the US Mint to teach children about money.
http://www.ixl.com/math/	All concepts are based on Michigan math standards. Click on concept and practice and receive instant feedback. Used in 150 countries!
http://nces.ed.gov/nceskids/createagraph/	Learn how to graph! Here you will find five different graphs and charts for you to consider and to learn about.
http://www.coolmath.com/	An amusement park of math and more!
http://www.discoveryeducation.com/free-puzzlemaker/	Puzzlemaker is a puzzle generation tool for teachers, students and parents. Create and print customized math puzzles.
http://www.quia.com/shared/	A website to browse through thousands of learning activities. All of the games and quizzes were created by educators.
http://www.math.com/	The world of math online! Math practices and more.
http://www.mathfactcafe.com/	Learn your facts! The math facts factory.
http://www.teachingtime.co.uk/index.html	Teaching time.

http://timeanddate.com/	Anything you want to know about dates and times around the world
http://nlvm.usu.edu/en/nav/vlibrary.html	National Library of Virtual Manipulatives
http://nlvm.usu.edu/en/nav/category_g_2_t_3.html	All about Geometry!
http://illuminations.nctm.org/ActivityDetail.aspx?ID=155	Learn your multiplication facts!
http://www.mathsisfun.com/timestable.html	Timed table facts 1-15 and mixed review
http://www.econedlink.org/	Money, Money, Money!
http://illuminations.nctm.org/ActivityDetail.aspx?id=79	Probability- Spin the spinner.
http://pbskids.org/cyberchase/games/fractions/index.html	Thirteen ways of looking at half- an interactive game
http://www.bbc.co.uk/wales/snapdragon/yesflash/time-1.htm	Telling time- an interactive clock.
http://www.mathplayground.com/	An action-packed site for elementary and middle school levels. Practice your math skills, play a logic game and have some fun!
http://www.multiplication.com/	All about multiplication!
http://www.mathforum.com/	The leading online resource for improving math learning since 1992.
http://www.figurethis.org/index.html	This site was created to help families enjoy mathematics outside school through a series of fun and engaging challenges.
http://www.mathcats.com/	Math Cats provides playful explorations of important math concepts through games, crafts and interactive projects.
http://www.easymaths.org/	Lessons, tests, exams, worksheets, study skills and much more.
http://www.themathleague.com/	The math league-designed for students in fourth grade through high school. The "Help Facility" is handy reference guide for math topics complete with examples, definitions and

	explanations.
http://www.funbrain.com/numbers.html	This site includes 17 original games based on soccer, baseball, car racing and much more
http://www.kidsites.com/sites-edu/math.htm	A list of math sites for kids!
http://www.cobbk12.org/sites/literacy/math/math2.htm	Math skills practice activities grades 3-5. Includes number and operations, fractions, geometry, money, measurement, problem solving and data.
http://www.factmonster.com/math/knowledgebox/	Many fun games to practice math skills. Check out Fraction Café.
http://www.xpmath.com/forums/arcade.php?do=play&gameid=8#.UZ-fPUrfWSo	Various games which are aligned to Common Core Math Standards.

Name: _____

1.	**2.**	**3.**	**4.**	**5.**	**6.**	**7.**	**8.**
$\times \begin{matrix} 5 \\ 5 \end{matrix}$	$\times \begin{matrix} 8 \\ 8 \end{matrix}$	$\times \begin{matrix} 9 \\ 5 \end{matrix}$	$\times \begin{matrix} 7 \\ 5 \end{matrix}$	$\times \begin{matrix} 4 \\ 6 \end{matrix}$	$\times \begin{matrix} 9 \\ 4 \end{matrix}$	$\times \begin{matrix} 7 \\ 4 \end{matrix}$	$\times \begin{matrix} 6 \\ 8 \end{matrix}$
9.	**10.**	**11.**	**12.**	**13.**	**14.**	**15.**	**16.**
$\times \begin{matrix} 9 \\ 4 \end{matrix}$	$\times \begin{matrix} 4 \\ 6 \end{matrix}$	$\times \begin{matrix} 8 \\ 2 \end{matrix}$	$\times \begin{matrix} 6 \\ 3 \end{matrix}$	$\times \begin{matrix} 5 \\ 5 \end{matrix}$	$\times \begin{matrix} 6 \\ 7 \end{matrix}$	$\times \begin{matrix} 3 \\ 4 \end{matrix}$	$\times \begin{matrix} 7 \\ 6 \end{matrix}$
17.	**18.**	**19.**	**20.**	**21.**	**22.**	**23.**	**24.**
$\times \begin{matrix} 7 \\ 5 \end{matrix}$	$\times \begin{matrix} 5 \\ 7 \end{matrix}$	$\times \begin{matrix} 8 \\ 2 \end{matrix}$	$\times \begin{matrix} 3 \\ 3 \end{matrix}$	$\times \begin{matrix} 7 \\ 2 \end{matrix}$	$\times \begin{matrix} 6 \\ 4 \end{matrix}$	$\times \begin{matrix} 4 \\ 3 \end{matrix}$	$\times \begin{matrix} 2 \\ 3 \end{matrix}$
25.	**26.**	**27.**	**28.**	**29.**	**30.**	**31.**	**32.**
$\times \begin{matrix} 5 \\ 5 \end{matrix}$	$\times \begin{matrix} 8 \\ 4 \end{matrix}$	$\times \begin{matrix} 5 \\ 4 \end{matrix}$	$\times \begin{matrix} 5 \\ 8 \end{matrix}$	$\times \begin{matrix} 7 \\ 9 \end{matrix}$	$\times \begin{matrix} 5 \\ 9 \end{matrix}$	$\times \begin{matrix} 4 \\ 2 \end{matrix}$	$\times \begin{matrix} 6 \\ 2 \end{matrix}$
33.	**34.**	**35.**	**36.**	**37.**	**38.**	**39.**	**40.**
$\times \begin{matrix} 6 \\ 9 \end{matrix}$	$\times \begin{matrix} 7 \\ 5 \end{matrix}$	$\times \begin{matrix} 2 \\ 9 \end{matrix}$	$\times \begin{matrix} 6 \\ 7 \end{matrix}$	$\times \begin{matrix} 9 \\ 3 \end{matrix}$	$\times \begin{matrix} 9 \\ 4 \end{matrix}$	$\times \begin{matrix} 4 \\ 2 \end{matrix}$	$\times \begin{matrix} 6 \\ 7 \end{matrix}$
41.	**42.**	**43.**	**44.**	**45.**	**46.**	**47.**	**48.**
$\times \begin{matrix} 6 \\ 4 \end{matrix}$	$\times \begin{matrix} 9 \\ 9 \end{matrix}$	$\times \begin{matrix} 7 \\ 5 \end{matrix}$	$\times \begin{matrix} 8 \\ 5 \end{matrix}$	$\times \begin{matrix} 5 \\ 4 \end{matrix}$	$\times \begin{matrix} 4 \\ 7 \end{matrix}$	$\times \begin{matrix} 4 \\ 9 \end{matrix}$	$\times \begin{matrix} 7 \\ 9 \end{matrix}$
49.	**50.**	**51.**	**52.**	**53.**	**54.**	**55.**	**56.**
$\times \begin{matrix} 8 \\ 5 \end{matrix}$	$\times \begin{matrix} 5 \\ 8 \end{matrix}$	$\times \begin{matrix} 4 \\ 2 \end{matrix}$	$\times \begin{matrix} 6 \\ 4 \end{matrix}$	$\times \begin{matrix} 3 \\ 6 \end{matrix}$	$\times \begin{matrix} 7 \\ 5 \end{matrix}$	$\times \begin{matrix} 7 \\ 3 \end{matrix}$	$\times \begin{matrix} 2 \\ 3 \end{matrix}$
57.	**58.**	**59.**	**60.**	**61.**	**62.**	**63.**	**64.**
$\times \begin{matrix} 6 \\ 2 \end{matrix}$		$\times \begin{matrix} 5 \\ 8 \end{matrix}$	$\times \begin{matrix} 7 \\ 8 \end{matrix}$		$\times \begin{matrix} 6 \\ 5 \end{matrix}$	$\times \begin{matrix} 9 \\ 3 \end{matrix}$	$\times \begin{matrix} 5 \\ 8 \end{matrix}$

$$\begin{array}{r} 2 \\ \times\ 3 \\ \hline \end{array}$$
$$\begin{array}{r} 2 \\ \times\ 2 \\ \hline \end{array}$$

65. $\quad\begin{array}{r} 6 \\ \times\ 8 \\ \hline \end{array}$

66. $\quad\begin{array}{r} 7 \\ \times\ 8 \\ \hline \end{array}$

67. $\quad\begin{array}{r} 8 \\ \times\ 3 \\ \hline \end{array}$

68. $\quad\begin{array}{r} 3 \\ \times\ 9 \\ \hline \end{array}$

69. $\quad\begin{array}{r} 8 \\ \times\ 8 \\ \hline \end{array}$

70. $\quad\begin{array}{r} 5 \\ \times\ 5 \\ \hline \end{array}$

71. $\quad\begin{array}{r} 2 \\ \times\ 5 \\ \hline \end{array}$

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

Name: _____

1. $\begin{array}{r}4\\ \times\,5\\\hline\end{array}$	**2.** $\begin{array}{r}6\\ \times\,7\\\hline\end{array}$	**3.** $\begin{array}{r}9\\ \times\,2\\\hline\end{array}$	**4.** $\begin{array}{r}6\\ \times\,9\\\hline\end{array}$	**5.** $\begin{array}{r}2\\ \times\,9\\\hline\end{array}$	**6.** $\begin{array}{r}7\\ \times\,5\\\hline\end{array}$	**7.** $\begin{array}{r}6\\ \times\,2\\\hline\end{array}$	**8.** $\begin{array}{r}6\\ \times\,9\\\hline\end{array}$
9. $\begin{array}{r}9\\ \times\,3\\\hline\end{array}$	**10.** $\begin{array}{r}6\\ \times\,3\\\hline\end{array}$	**11.** $\begin{array}{r}3\\ \times\,6\\\hline\end{array}$	**12.** $\begin{array}{r}2\\ \times\,3\\\hline\end{array}$	**13.** $\begin{array}{r}4\\ \times\,2\\\hline\end{array}$	**14.** $\begin{array}{r}6\\ \times\,3\\\hline\end{array}$	**15.** $\begin{array}{r}6\\ \times\,5\\\hline\end{array}$	**16.** $\begin{array}{r}6\\ \times\,8\\\hline\end{array}$
17. $\begin{array}{r}9\\ \times\,2\\\hline\end{array}$	**18.** $\begin{array}{r}5\\ \times\,8\\\hline\end{array}$	**19.** $\begin{array}{r}2\\ \times\,9\\\hline\end{array}$	**20.** $\begin{array}{r}7\\ \times\,3\\\hline\end{array}$	**21.** $\begin{array}{r}9\\ \times\,5\\\hline\end{array}$	**22.** $\begin{array}{r}7\\ \times\,6\\\hline\end{array}$	**23.** $\begin{array}{r}6\\ \times\,3\\\hline\end{array}$	**24.** $\begin{array}{r}5\\ \times\,5\\\hline\end{array}$
25. $\begin{array}{r}5\\ \times\,9\\\hline\end{array}$	**26.** $\begin{array}{r}6\\ \times\,6\\\hline\end{array}$	**27.** $\begin{array}{r}6\\ \times\,7\\\hline\end{array}$	**28.** $\begin{array}{r}7\\ \times\,8\\\hline\end{array}$	**29.** $\begin{array}{r}8\\ \times\,4\\\hline\end{array}$	**30.** $\begin{array}{r}9\\ \times\,4\\\hline\end{array}$	**31.** $\begin{array}{r}7\\ \times\,5\\\hline\end{array}$	**32.** $\begin{array}{r}2\\ \times\,6\\\hline\end{array}$
33. $\begin{array}{r}6\\ \times\,6\\\hline\end{array}$	**34.** $\begin{array}{r}5\\ \times\,7\\\hline\end{array}$	**35.** $\begin{array}{r}6\\ \times\,3\\\hline\end{array}$	**36.** $\begin{array}{r}8\\ \times\,6\\\hline\end{array}$	**37.** $\begin{array}{r}7\\ \times\,6\\\hline\end{array}$	**38.** $\begin{array}{r}2\\ \times\,3\\\hline\end{array}$	**39.** $\begin{array}{r}8\\ \times\,5\\\hline\end{array}$	**40.** $\begin{array}{r}7\\ \times\,3\\\hline\end{array}$
41. $\begin{array}{r}5\\ \times\,3\\\hline\end{array}$	**42.** $\begin{array}{r}7\\ \times\,9\\\hline\end{array}$	**43.** $\begin{array}{r}9\\ \times\,5\\\hline\end{array}$	**44.** $\begin{array}{r}7\\ \times\,7\\\hline\end{array}$	**45.** $\begin{array}{r}7\\ \times\,7\\\hline\end{array}$	**46.** $\begin{array}{r}2\\ \times\,5\\\hline\end{array}$	**47.** $\begin{array}{r}3\\ \times\,3\\\hline\end{array}$	**48.** $\begin{array}{r}2\\ \times\,7\\\hline\end{array}$
49. $\begin{array}{r}7\\ \times\,5\\\hline\end{array}$	**50.** $\begin{array}{r}4\\ \times\,4\\\hline\end{array}$	**51.** $\begin{array}{r}6\\ \times\,3\\\hline\end{array}$	**52.** $\begin{array}{r}8\\ \times\,4\\\hline\end{array}$	**53.** $\begin{array}{r}8\\ \times\,9\\\hline\end{array}$	**54.** $\begin{array}{r}5\\ \times\,6\\\hline\end{array}$	**55.** $\begin{array}{r}4\\ \times\,2\\\hline\end{array}$	**56.** $\begin{array}{r}7\\ \times\,8\\\hline\end{array}$
57. $\begin{array}{r}4\\ \times\,5\\\hline\end{array}$	**58.** $\begin{array}{r}7\\ \times\,3\\\hline\end{array}$	**59.** $\begin{array}{r}8\\ \times\,5\\\hline\end{array}$	**60.** $\begin{array}{r}9\\ \times\,6\\\hline\end{array}$	**61.**	**62.** $\begin{array}{r}9\\ \times\,4\\\hline\end{array}$	**63.** $\begin{array}{r}3\\ \times\,9\\\hline\end{array}$	**64.** $\begin{array}{r}2\\ \times\,9\\\hline\end{array}$

$\begin{array}{r}2\\ \times\,4\\\hline\end{array}$

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

65.

$$\begin{array}{r} 5 \\ \times\,5 \\ \hline \end{array}$$

66.

$$\begin{array}{r} 3 \\ \times\,9 \\ \hline \end{array}$$

67.

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

68.

$$\begin{array}{r} 3 \\ \times\,5 \\ \hline \end{array}$$

69.

$$\begin{array}{r} 9 \\ \times\,7 \\ \hline \end{array}$$

70.

71.

$$\begin{array}{r} 7 \\ \times\,8 \\ \hline \end{array}$$

72.

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

Name: _____

1. 6×9	**2.** 7×7	**3.** 2×3	**4.** 5×9	**5.** 2×8	**6.** 3×5	**7.** 6×7	**8.** 4×8
9. 6×8	**10.** 6×7	**11.** 8×5	**12.** 4×4	**13.** 9×8	**14.** 7×6	**15.** 6×4	**16.** 2×2
17. 4×7	**18.** 8×5	**19.** 9×3	**20.** 4×2	**21.** 9×5	**22.** 5×6	**23.** 3×7	**24.** 4×7
25. 6×9	**26.** 5×5	**27.** 5×7	**28.** 7×5	**29.** 5×4	**30.** 9×9	**31.** 7×9	**32.** 2×9
33. 7×8	**34.** 4×6	**35.** 2×7	**36.** 6×2	**37.** 3×2	**38.** 6×4	**39.** 8×9	**40.** 2×4
41. 9×6	**42.** 7×5	**43.** 4×5	**44.** 8×8	**45.** 7×7	**46.** 8×5	**47.** 7×8	**48.** 4×5
49. 7×7	**50.** 2×8	**51.** 4×7	**52.** 8×5	**53.** 7×5	**54.** 8×5	**55.** 4×9	**56.** 8×4
57. 5×6	**58.** 7×7	**59.** 9×5	**60.** 5×7	**61.** 3×3	**62.** 2×8	**63.** 2×5	**64.** 4×8

2×2

65.
$$\begin{array}{r} 2 \\ \times\,4 \\ \hline \end{array}$$

66.
$$\begin{array}{r} 6 \\ \times\,4 \\ \hline \end{array}$$

67.
$$\begin{array}{r} 9 \\ \times\,4 \\ \hline \end{array}$$

68.
$$\begin{array}{r} 8 \\ \times\,6 \\ \hline \end{array}$$

69.
$$\begin{array}{r} 7 \\ \times\,6 \\ \hline \end{array}$$

70.

71.
$$\begin{array}{r} 5 \\ \times\,8 \\ \hline \end{array}$$

72.
$$\begin{array}{r} 4 \\ \times\,9 \\ \hline \end{array}$$

1.	**2.**	**3.**	**4.**	**5.**	**6.**	**7.**	**8.**
6 ×3	5 ×2	9 ×7	3 ×2	6 ×4	5 ×8	2 ×5	2 ×6
9.	**10.**	**11.**	**12.**	**13.**	**14.**	**15.**	**16.**
8 ×9	8 ×7	5 ×6	3 ×5	7 ×7	4 ×9	6 ×6	2 ×3
17.	**18.**	**19.**	**20.**	**21.**	**22.**	**23.**	**24.**
8 ×6	3 ×7	3 ×5	7 ×7	7 ×3	5 ×7	7 ×5	4 ×6
25.	**26.**	**27.**	**28.**	**29.**	**30.**	**31.**	**32.**
5 ×3	3 ×9	7 ×4	5 ×4	2 ×7	4 ×7	4 ×4	8 ×2
33.	**34.**	**35.**	**36.**	**37.**	**38.**	**39.**	**40.**
8 ×2	8 ×9	5 ×6	7 ×3	7 ×2	9 ×4	6 ×3	9 ×9
41.	**42.**	**43.**	**44.**	**45.**	**46.**	**47.**	**48.**
4 ×2	9 ×9	5 ×4	4 ×5	9 ×7	2 ×3	9 ×9	4 ×8
49.	**50.**	**51.**	**52.**	**53.**	**54.**	**55.**	**56.**
9 ×2	8 ×5	7 ×5	6 ×4	6 ×5	7 ×2	6 ×6	2 ×9
57.	**58.**	**59.**	**60.**	**61.**	**62.**	**63.**	**64.**
6 ×9	8 ×9	4 ×3	5 ×4	8 ×6	5 ×8	5 ×8	6 ×5

65.	66.	67.	68.	69.	70.	71.	72.
8	8	8	8	8	5	3	4
× 4	× 6	× 5	× 4	× 6	× 5	× 6	× 8

Name: _____

1.	2.	3.	4.	5.	6.	7.	8.
6 × 8	6 × 7	9 × 5	7 × 5	4 × 3	8 × 4	2 × 5	6 × 5

9.	10.	11.	12.	13.	14.	15.	16.
6 × 3	9 × 7	5 × 4	2 × 2	9 × 3	5 × 9	7 × 5	2 × 3

17.	18.	19.	20.	21.	22.	23.	24.
3 × 6	9 × 3	2 × 6	6 × 4	8 × 4	6 × 8	8 × 3	4 × 4

25.	26.	27.	28.	29.	30.	31.	32.
4 × 3	2 × 8	6 × 2	9 × 6	4 × 4	5 × 9	7 × 5	3 × 9

33.	34.	35.	36.	37.	38.	39.	40.
2 × 3	2 × 2	8 × 6	5 × 6	9 × 2	4 × 7	3 × 7	2 × 6

41.	42.	43.	44.	45.	46.	47.	48.
8 × 3	5 × 5	3 × 4	9 × 5	7 × 4	5 × 4	8 × 7	3 × 9

49.	50.	51.	52.	53.	54.	55.	56.
8 × 4	2 × 6	8 × 5	2 × 7	6 × 5	5 × 7	3 × 5	4 × 2

57.	58.	59.	60.	61.	62.	63.	64.
6 × 7	5 × 8	2 × 5	4 × 7	7 × 8	2 × 6	5 × 4	6 × 4

65.	66.	67.	68.	69.	70.	71.	72.
6	8	2	2	5	4	9	7
× 6	× 4	× 9	× 6	× 5	× 6	× 7	× 6

Name: _____

1.
$$\begin{array}{r} 6 \\ \times\,6 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 2 \\ \times\,9 \\ \hline \end{array}$$

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

4.
$$\begin{array}{r} 2 \\ \times\,8 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 8 \\ \times\,9 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 6 \\ \times\,8 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 8 \\ \times\,8 \\ \hline \end{array}$$

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

9.
$$\begin{array}{r} 3 \\ \times\,4 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 6 \\ \times\,2 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 2 \\ \times\,8 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 3 \\ \times\,3 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 9 \\ \times\,7 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 2 \\ \times\,6 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7 \\ \times\,5 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 9 \\ \times\,4 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 2 \\ \times\,2 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 4 \\ \times\,8 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 7 \\ \times\,4 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 6 \\ \times\,6 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 4 \\ \times\,2 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 4 \\ \times\,3 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 8 \\ \times\,7 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 6 \\ \times\,2 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 9 \\ \times\,2 \\ \hline \end{array}$$

26.
$$\begin{array}{r} 2 \\ \times\,2 \\ \hline \end{array}$$

27.
$$\begin{array}{r} 9 \\ \times\,4 \\ \hline \end{array}$$

28.
$$\begin{array}{r} 3 \\ \times\,8 \\ \hline \end{array}$$

29.
$$\begin{array}{r} 2 \\ \times\,4 \\ \hline \end{array}$$

30.
$$\begin{array}{r} 5 \\ \times\,8 \\ \hline \end{array}$$

31.
$$\begin{array}{r} 7 \\ \times\,4 \\ \hline \end{array}$$

32.
$$\begin{array}{r} 2 \\ \times\,7 \\ \hline \end{array}$$

33.
$$\begin{array}{r} 4 \\ \times\,4 \\ \hline \end{array}$$

34.
$$\begin{array}{r} 6 \\ \times\,2 \\ \hline \end{array}$$

35.
$$\begin{array}{r} 7 \\ \times\,2 \\ \hline \end{array}$$

36.
$$\begin{array}{r} 6 \\ \times\,2 \\ \hline \end{array}$$

37.
$$\begin{array}{r} 3 \\ \times\,9 \\ \hline \end{array}$$

38.
$$\begin{array}{r} 3 \\ \times\,2 \\ \hline \end{array}$$

39.
$$\begin{array}{r} 6 \\ \times\,7 \\ \hline \end{array}$$

40.
$$\begin{array}{r} 2 \\ \times\,6 \\ \hline \end{array}$$

41.
$$\begin{array}{r} 8 \\ \times\,3 \\ \hline \end{array}$$

42.
$$\begin{array}{r} 6 \\ \times\,8 \\ \hline \end{array}$$

43.
$$\begin{array}{r} 5 \\ \times\,7 \\ \hline \end{array}$$

44.
$$\begin{array}{r} 7 \\ \times\,6 \\ \hline \end{array}$$

45.
$$\begin{array}{r} 9 \\ \times\,2 \\ \hline \end{array}$$

46.
$$\begin{array}{r} 4 \\ \times\,7 \\ \hline \end{array}$$

47.
$$\begin{array}{r} 5 \\ \times\,5 \\ \hline \end{array}$$

48.
$$\begin{array}{r} 5 \\ \times\,8 \\ \hline \end{array}$$

49.
$$\begin{array}{r} 7 \\ \times\,9 \\ \hline \end{array}$$

50.
$$\begin{array}{r} 8 \\ \times\,5 \\ \hline \end{array}$$

51.
$$\begin{array}{r} 2 \\ \times\,5 \\ \hline \end{array}$$

52.
$$\begin{array}{r} 6 \\ \times\,4 \\ \hline \end{array}$$

53.
$$\begin{array}{r} 4 \\ \times\,7 \\ \hline \end{array}$$

54.
$$\begin{array}{r} 4 \\ \times\,9 \\ \hline \end{array}$$

55.
$$\begin{array}{r} 5 \\ \times\,4 \\ \hline \end{array}$$

56.
$$\begin{array}{r} 5 \\ \times\,4 \\ \hline \end{array}$$

57.
$$\begin{array}{r} 5 \\ \times\,9 \\ \hline \end{array}$$

58.
$$\begin{array}{r} 2 \\ \times\,9 \\ \hline \end{array}$$

59.
$$\begin{array}{r} 7 \\ \times\,7 \\ \hline \end{array}$$

60.
$$\begin{array}{r} 5 \\ \times\,7 \\ \hline \end{array}$$

61.
$$\begin{array}{r} 8 \\ \times\,7 \\ \hline \end{array}$$

62.
$$\begin{array}{r} 4 \\ \times\,3 \\ \hline \end{array}$$

63.
$$\begin{array}{r} 2 \\ \times\,7 \\ \hline \end{array}$$

64.
$$\begin{array}{r} 2 \\ \times\,8 \\ \hline \end{array}$$

65.

$$\begin{array}{r} 7 \\ \times\ 8 \\ \hline \end{array}$$

66.

$$\begin{array}{r} 4 \\ \times\ 8 \\ \hline \end{array}$$

67.

$$\begin{array}{r} 4 \\ \times\ 8 \\ \hline \end{array}$$

68.

$$\begin{array}{r} 2 \\ \times\ 7 \\ \hline \end{array}$$

69.

$$\begin{array}{r} 6 \\ \times\ 4 \\ \hline \end{array}$$

70.

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

71.

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

72.

$$\begin{array}{r} 5 \\ \times\ 2 \\ \hline \end{array}$$

Name: _____

1.	2.	3.	4.	5.	6.	7.	8.
3	5	5	9	5	2	3	3
×7	×8	×3	×2	×9	×8	×2	×5

9.	10.	11.	12.	13.	14.	15.	16.
9	7	3	6	5	4	4	6
×2	×4	×2	×2	×8	×6	×3	×5

17.	18.	19.	20.	21.	22.	23.	24.
8	4	2	4	3	3	6	9
×9	×4	×3	×5	×5	×5	×5	×5

25.	26.	27.	28.	29.	30.	31.	32.
5	7	6	8	3	6	4	9
×6	×7	×4	×2	×3	×5	×3	×3

33.	34.	35.	36.	37.	38.	39.	40.
3	6	5	7	4	2	4	3
×3	×3	×9	×6	×9	×8	×9	×8

41.	42.	43.	44.	45.	46.	47.	48.
5	6	3	3	6	7	9	3
×9	×2	×4	×4	×8	×9	×7	×2

49.	50.	51.	52.	53.	54.	55.	56.
8	4	7	8	9	8	8	2
×7	×3	×9	×9	×8	×4	×2	×4

57.	58.	59.	60.	61.	62.	63.	64.
9	4	9	5	4	5	8	4
×7	×2	×6	×6	×3	×4	×6	×6

65.	66.	67.	68.
4	8	7	8
7	9	7	6
×	×	×	×

69.   **70.**   **71.**   **72.**

```
   6          8          7          6
   7          4          9          6
```

×   ×   ×   ×

1.	**2.**	**3.**	**4.**	**5.**	**6.**	**7.**	**8.**
5 ×9	7 ×8	9 ×9	5 ×2	2 ×2	4 ×8	7 ×8	5 ×6
9.	**10.**	**11.**	**12.**	**13.**	**14.**	**15.**	**16.**
8 ×7	3 ×7	2 ×2	9 ×2	5 ×9	3 ×8	2 ×2	2 ×5
17.	**18.**	**19.**	**20.**	**21.**	**22.**	**23.**	**24.**
9 ×7	4 ×9	6 ×7	9 ×6	7 ×4	5 ×5	3 ×8	2 ×9
25.	**26.**	**27.**	**28.**	**29.**	**30.**	**31.**	**32.**
6 ×3	7 ×6	4 ×6	6 ×7	6 ×8	5 ×6	8 ×6	2 ×8
33.	**34.**	**35.**	**36.**	**37.**	**38.**	**39.**	**40.**
4 ×4	7 ×9	9 ×7	5 ×7	9 ×9	2 ×2	8 ×3	2 ×5
41.	**42.**	**43.**	**44.**	**45.**	**46.**	**47.**	**48.**
5 ×7	9 ×7	4 ×6	5 ×8	5 ×9	4 ×3	5 ×4	9 ×8
49.	**50.**	**51.**	**52.**	**53.**	**54.**	**55.**	**56.**
7 ×7	7 ×7	4 ×3	4 ×3	2 ×5	4 ×9	6 ×4	4 ×9
57.	**58.**	**59.**	**60.**	**61.**	**62.**	**63.**	**64.**
2 ×4	7 ×4	8 ×3	2 ×3	2 ×5	5 ×6	8 ×5	4 ×5

65.
2
9
2
×

66.
2
× 4

67.
2
× 4

68.
×

6
3
×

69.

8
8

70.

$$\begin{array}{r} 2 \\ \underline{5} \end{array}$$

71.

$$\begin{array}{r} 3 \\ \underline{5} \end{array}$$

72.

$$\begin{array}{r} 4 \\ \underline{3} \end{array}$$

$$\begin{array}{r} \times \\ \hline \end{array} \qquad \begin{array}{r} \times \\ \hline \end{array} \qquad \begin{array}{r} \times \\ \hline \end{array}$$

1.
```
    4
  × 3
```

2.
```
    6
  × 7
```

3.
```
    9
  × 4
```

4.
```
    8
  × 3
```

5.
```
    8
  × 6
```

6.
```
    3
  × 6
```

7.
```
    8
  × 3
```

8.
```
    2
  × 4
```

9.
```
    5
  × 6
```

10.
```
    9
  × 8
```

11.
```
    9
  × 6
```

12.
```
    7
  × 7
```

13.
```
    5
  × 9
```

14.
```
    7
  × 5
```

15.
```
    6
  × 3
```

16.
```
    7
  × 8
```

17.
```
    4
  × 4
```

18.
```
    6
  × 4
```

19.
```
    6
  × 4
```

20.
```
    5
  × 5
```

21.
```
    9
  × 6
```

22.
```
    9
  × 7
```

23.
```
    8
  × 2
```

24.
```
    2
  × 4
```

25.
```
    6
  × 2
```

26.
```
    2
  × 6
```

27.
```
    7
  × 7
```

28.
```
    3
  × 2
```

29.
```
    7
  × 9
```

30.
```
    6
  × 3
```

31.
```
    2
  × 4
```

32.
```
    2
  × 5
```

33.
```
    6
  × 6
```

34.
```
    7
  × 3
```

35.
```
    9
  × 3
```

36.
```
    6
  × 8
```

37.
```
    8
  × 6
```

38.
```
    6
  × 7
```

39.
```
    6
  × 7
```

40.
```
    9
  × 3
```

41.
```
    7
  × 9
```

42.
```
    8
  × 5
```

43.
```
    7
  × 2
```

44.
```
    5
  × 4
```

45.
```
    2
  × 9
```

46.
```
    6
  × 2
```

47.
```
    4
  × 6
```

48.
```
    6
  × 8
```

49.
```
    3
  × 4
```

50.
```
    2
  × 2
```

51.
```
    5
  × 6
```

52.
```
    9
  × 4
```

53.
```
    3
  × 6
```

54.
```
    2
  × 7
```

55.
```
    3
  × 9
```

56.
```
    9
  × 9
```

57.
```
    9
  × 8
```

58.
```
    4
  × 7
```

59.
```
    9
  × 8
```

60.
```
    2
  × 9
```

61.
```
    8
  × 6
```

62.
```
    9
  × 2
```

63.
```
    3
  × 6
```

64.
```
    8
  × 4
```

65.
```
    8
  × 9
```

66.
```
    5
  × 4
```

67.
```
    5
  × 4
```

68.
```
    7
  × 6
```

69.   **70.**   **71.**   **72.**

69.
$$\begin{array}{r} 9 \\ \underline{7} \end{array}$$

71.
$$\begin{array}{r} 6 \\ \underline{4} \end{array}$$

72.
$$\begin{array}{r} 2 \\ \underline{6} \end{array}$$

$$\begin{array}{r} \underline{\times} \\ \boxed{} \end{array}$$

$$\begin{array}{r} 4 \\ \underline{\times\,2} \\ \boxed{} \end{array}$$

$$\begin{array}{r} \underline{\times} \\ \boxed{} \end{array}$$

$$\begin{array}{r} \underline{\times} \\ \boxed{} \end{array}$$