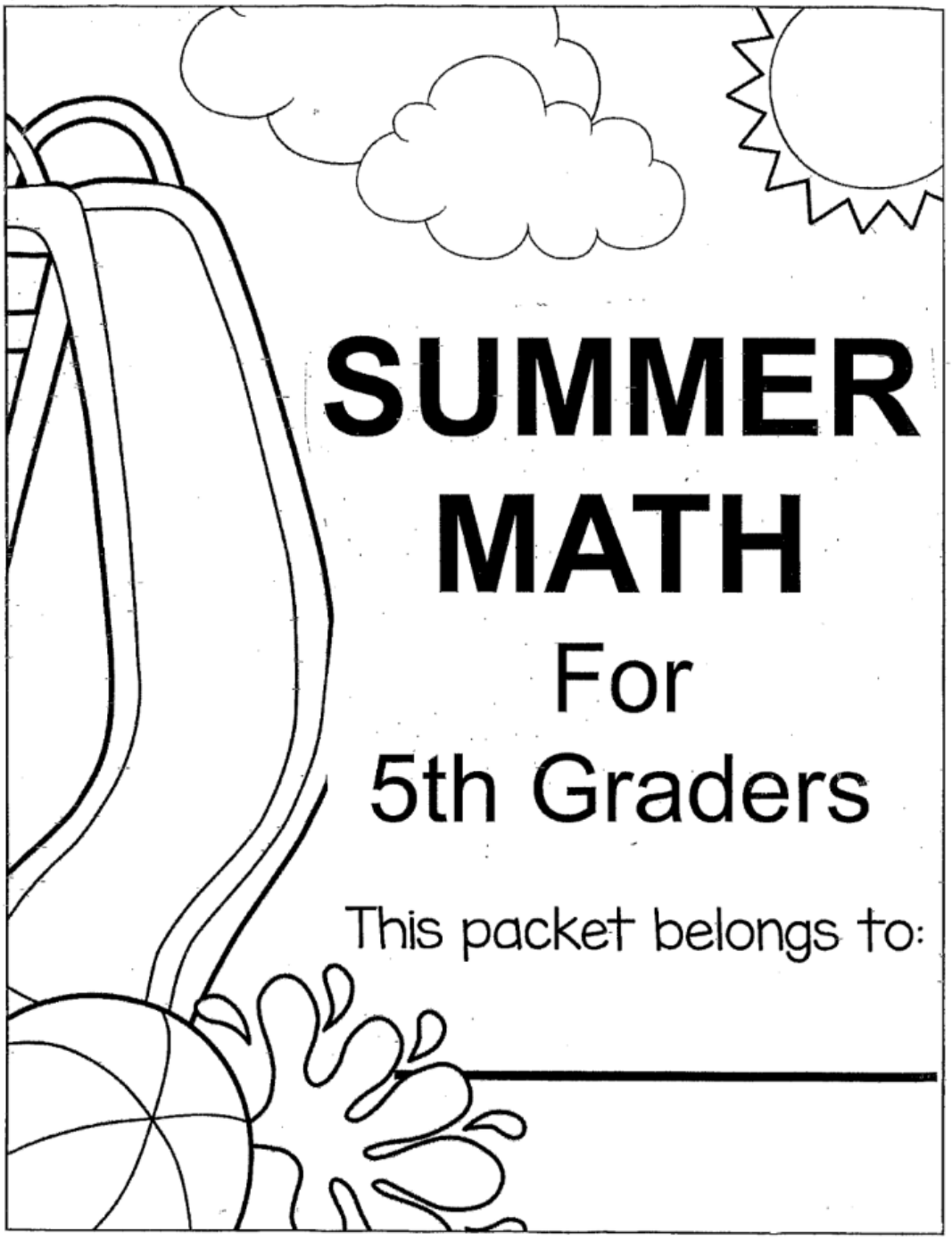
Entering 5th Grade Summer Math Practice

This packet is intended to keep the math skills you learned in 4th grade fresh in your mind during the summer. **Please show your work for every problem**. Use loose leaf paper if you need extra room. You will receive a grade for completing the packet (with ALL work shown) upon returning to school on August 12th, 2026.

Khan Academy | Free Online Courses, Lessons & Practice has some great resources if you need any additional help.



Concept 1: Place Value

Name _____ Date _____

Find the Value

1. Find the value of the underlined digit in the following number.

   426,105

   _____

2. Circle the number that shows 5 with the greatest value.

   23,456 256,367

   500,342 45,237

3. How many times less is the 6 in the tens place than the 6 in the thousands place?

   _____

   26,460

4. Circle the digit in the thousands place in the following number.

   103,594

5. Find the value of the underlined digit in the following number.

   10,478

   _____

6. Circle the number that shows 7 with the least value.

   70,593 39,207

   47,406 63,735

7. How many times greater is the 2 in the thousands place than the 2 in the hundreds place?

   _____

   402,255

8. Circle the number that shows 4 with the greatest value.

   18,642 304,562

   743,620 98,104

9. Find the value of the underlined digit in the following number.

   739,485

   _____

10. Circle the digit in the ten thousands place in the following number.

    56,403

Numbers & Operations in Base 10

Name _____ Date _____

Writing WHOLE NUMBERS

1. Write the following number in standard form.

   two thousand, three hundred ninety-one

   _____

2. Write the following number in word form.

   63,281

   _____

   _____

3. Write the following number in expanded form.

   52,473

   _____

4. What number does the following represent?

   400,000 + 20,000 + 6,000 + 800 + 5

5. What number does the following represent?

   700,000 + 10,000 + 5,000 + 300 + 40 + 4

6. Circle the number with a digit in the ten thousands place that is less than 5.

   77,872 152,326 220,154 89,392

7. Write a number with a digit in the **thousands** place less than 4 and a digit in the **hundred thousands** place greater than 5.

   _____

8. Write a number with a digit in the **hundreds** place greater than 6 and a digit in the **ten thousands** place less than 3.

   _____

Concept 2: Multiplication

Numbers & Operations in Base 10

Name _____ Date _____

Multiplying whole numbers

1. Find the product.

$$\begin{array}{r} 37 \\ \times\ 15 \\ \hline \end{array}$$

2. Solve the following problem using partial products.

×	30	6
5		

$5 \times 36 =$ _____

3. What equation is shown by the following breaking apart method?

$100 \times 2 = 200$
$20 \times 2 = 40$
$2 \times 2 = 4$

Use this space to show your work. Number your problems & circle your answer.

4. Max bought 5 boxes of cleaning wipes for his classroom. Each box cost $2.50. How much did he spend?

_____

5. Julie has 20 times as many bouncy balls as her brother. Her brother has 4. How many bouncy balls does Julie have?

6. A theater has 60 rows of seats. Each row has 42 seats. How many seats are in the theater?

_____

Use this space to show your work. Number your problems & circle your answer.

Concept 3: Division

Numbers & Operations in Base 10

Name _____ Date _____

DIVIDING WHOLE NUMBERS

1. Find the quotient. Circle your answer. 315 ÷ 9	2. Find the quotient. Circle your answer. 2,225 ÷ 5	3. Find the quotient. Circle your answer. 748 ÷ 7
4. Find the quotient. Circle your answer. 5,887 ÷ 3	5. Use multiplication to check the answer. Decide if it is **correct** or **incorrect**. 547 ÷ 6 = 91 r 1 ___Correct ___Incorrect	6. Use multiplication to check the answer. Decide if it is **correct** or **incorrect**. 763 ÷ 4 = 190 r 2 ___Correct ___Incorrect
7. The circus sold 1,624 tickets for their upcoming event. They divided the arena into 8 equal sections. How many people were seated in each section? _____	8. Allie has 123 oranges to put in 11 baskets. If she evenly divides the oranges among the 11 baskets, how many oranges will be left over? _____	9. A summer camp needed 1,148 popsicles. Boxes of popsicles were sold with 8 in each. How many boxes did they have to buy to have enough popsicles? How many were left over? _____

Concept 4: Finding Factors & Finding Multiples

Operations & Algebraic Thinking

Name _____ Date _____

Factors and Multiples

1. What are the first 5 multiples of 3?	2. What are the first 5 multiples of 9?	3. What are the first 5 multiples of 4?
4. List the factors of 12.	5. List the factors of 21.	6. List the factors of 36.
7. 5, 10, 15, 20... is an example of skip counting, therefore these numbers are called _____ of 5.	8. 7 divides evenly into 14, therefore 7 is a _____ of 14.	9. True or False? 1, 2, 3, 6, 9 and 18 are all factors of 18.
10. List the first 5 multiples of 3 and 6. Circle the least common multiple. 3: _____ 6: _____	11. List the first 5 multiples of 4 and 5. Circle the least common multiple. 4: _____ 5: _____	12. List the first 5 multiples of 8 and 12. Circle the least common multiple. 8: _____ 12: _____

Factors: Finding all the numbers that divide evenly into a number.

Know the difference!

Multiples: Skip counting by a number.

ALL GRADES – MATH SUMMER REQUIREMENT

Multiplication Fact Fluency and Speed

Purpose: To maintain and improve speed and fluency of multiplication facts over the summer.

Action: Complete the following multiplication fact worksheets to turn in to your math teacher next year. Time yourself and compare your time to the requirement for your grade. If your speed does not meet the requirement for your grade level, you should continue working. There are practice worksheets online, paper flashcards, and multiplication apps that can help.

Accountability: Students will be tested on the first four Fridays of the upcoming school year. If a student receives 95% accuracy in the allotted time, they will receive their fluency completion grade. If they do not meet this requirement by the fourth Friday, they will begin to have extra fluency work in addition to their traditional homework. The students will have an opportunity the last week of each month to take the timed test with their class and test out of the remediation work. Students may fluctuate in and out of the remediation work as their score requires. Students will need to maintain fluency throughout the year and improve speed.

Grade Level	Number of Facts	Allowed Time
Incoming 5th Graders	50 facts	2 minutes
Incoming 6th Graders	60 facts	2 minutes
Incoming 7th Graders	60 facts	1 minute 30 seconds
Incoming 8th Graders	60 facts	1 minute 30 seconds

We appreciate you partnering with us to help these students maintain their basic math skills while setting themselves up for a productive year in math.

Multiplication Facts to 144 (A)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

7 × 9	3 × 11	4 × 12	8 × 11	5 × 11	12 × 10	6 × 4	12 × 2	2 × 2	10 × 9
6 × 8	4 × 7	10 × 4	5 × 10	6 × 12	3 × 10	10 × 6	9 × 11	6 × 2	5 × 4
2 × 9	2 × 8	9 × 9	3 × 3	6 × 7	4 × 8	8 × 8	5 × 8	2 × 11	6 × 11
6 × 3	2 × 4	5 × 12	2 × 3	7 × 7	9 × 12	11 × 10	9 × 3	11 × 11	8 × 10
6 × 6	5 × 7	10 × 2	8 × 3	4 × 11	4 × 9	6 × 9	12 × 8	11 × 12	3 × 4
8 × 7	12 × 12	7 × 11	6 × 5	8 × 9	3 × 12	10 × 7	4 × 4	5 × 3	7 × 2
9 × 5	3 × 7	5 × 5	7 × 12	2 × 5	10 × 10	8 × 5	3 × 4	10 × 12	9 × 6
8 × 8	6 × 5	3 × 9	10 × 6	2 × 12	9 × 4	11 × 11	2 × 5	2 × 9	6 × 3
12 × 9	11 × 9	4 × 5	5 × 12	8 × 6	3 × 12	7 × 2	2 × 3	5 × 5	9 × 9
9 × 5	7 × 8	3 × 11	10 × 5	12 × 7	10 × 3	11 × 12	4 × 7	3 × 3	7 × 9

Multiplication Facts to 144 (B)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

6 × 8	9 × 11	6 × 11	7 × 9	12 × 4	7 × 8	4 × 6	12 × 9	6 × 9	5 × 12
3 × 7	3 × 3	9 × 2	11 × 11	4 × 7	10 × 10	12 × 6	8 × 5	5 × 2	5 × 9
12 × 12	6 × 6	2 × 12	4 × 8	3 × 8	12 × 8	3 × 10	3 × 4	6 × 2	6 × 10
10 × 7	2 × 4	9 × 9	9 × 8	2 × 10	8 × 8	9 × 10	5 × 5	7 × 11	2 × 3
4 × 5	11 × 4	4 × 4	3 × 9	10 × 11	2 × 7	5 × 10	12 × 10	6 × 7	7 × 7
2 × 2	12 × 11	5 × 11	4 × 10	5 × 3	8 × 2	7 × 12	11 × 2	5 × 6	3 × 12
6 × 3	11 × 3	5 × 7	4 × 9	11 × 8	10 × 8	10 × 12	10 × 11	2 × 3	6 × 4
8 × 12	3 × 8	3 × 3	2 × 8	5 × 2	4 × 4	7 × 10	4 × 3	6 × 12	12 × 11
10 × 10	6 × 8	5 × 4	4 × 7	9 × 10	2 × 2	2 × 6	12 × 5	8 × 9	11 × 2
2 × 7	8 × 11	4 × 12	5 × 7	3 × 12	7 × 6	11 × 11	9 × 2	5 × 6	6 × 6

Multiplication Facts to 144 (C)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

4 × 5	12 × 12	5 × 10	10 × 2	8 × 12	2 × 6	3 × 8	5 × 11	10 × 7	10 × 6
3 × 11	5 × 12	9 × 8	5 × 3	3 × 7	4 × 9	8 × 10	6 × 5	6 × 6	3 × 3
7 × 6	4 × 11	6 × 8	10 × 10	9 × 6	9 × 11	7 × 12	10 × 4	10 × 11	9 × 5
11 × 7	4 × 4	2 × 4	8 × 7	8 × 5	3 × 2	2 × 9	8 × 11	5 × 2	10 × 9
10 × 12	4 × 3	11 × 12	6 × 11	9 × 12	5 × 7	12 × 4	5 × 5	2 × 7	7 × 4
8 × 2	12 × 3	7 × 7	8 × 4	2 × 12	11 × 11	2 × 2	9 × 7	9 × 3	6 × 3
10 × 3	8 × 8	2 × 11	9 × 9	6 × 12	4 × 6	3 × 9	8 × 8	9 × 8	6 × 3
10 × 4	7 × 7	5 × 4	8 × 3	4 × 11	7 × 2	5 × 6	4 × 8	3 × 10	4 × 9
11 × 10	8 × 7	10 × 2	2 × 3	12 × 3	2 × 5	3 × 3	12 × 5	12 × 2	10 × 10
4 × 2	11 × 3	11 × 6	7 × 9	8 × 11	12 × 11	7 × 4	12 × 12	10 × 12	2 × 2

Multiplication Facts to 144 (D)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

10 × 6	4 × 5	3 × 5	2 × 4	11 × 5	9 × 8	6 × 8	2 × 2	8 × 4	3 × 3
2 × 10	11 × 11	8 × 11	6 × 3	5 × 8	7 × 6	3 × 8	11 × 4	10 × 11	2 × 12
11 × 7	10 × 7	3 × 4	2 × 5	9 × 9	9 × 3	10 × 8	12 × 5	8 × 7	12 × 7
4 × 10	3 × 7	6 × 6	4 × 4	6 × 5	9 × 12	12 × 6	5 × 7	10 × 10	4 × 9
3 × 10	11 × 2	4 × 12	11 × 12	2 × 9	4 × 7	5 × 9	5 × 5	10 × 12	9 × 10
9 × 11	6 × 2	7 × 7	6 × 4	11 × 6	10 × 5	8 × 12	2 × 3	12 × 12	3 × 12
9 × 6	7 × 2	7 × 9	8 × 2	8 × 8	11 × 3	8 × 3	6 × 2	11 × 8	7 × 10
9 × 6	9 × 10	5 × 7	5 × 5	4 × 4	9 × 7	11 × 5	12 × 10	2 × 8	8 × 10
9 × 4	4 × 12	2 × 10	7 × 4	2 × 5	6 × 10	11 × 6	10 × 10	10 × 5	4 × 8
5 × 9	8 × 6	2 × 9	4 × 6	11 × 10	12 × 12	12 × 3	6 × 5	11 × 9	8 × 7

Multiplication Facts to 144 (E)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

7 × 6	6 × 2	8 × 11	3 × 2	12 × 10	2 × 12	8 × 6	7 × 5	7 × 12	3 × 3
9 × 5	4 × 5	10 × 3	6 × 6	4 × 11	3 × 11	2 × 7	5 × 5	8 × 7	2 × 8
7 × 9	2 × 4	4 × 3	4 × 4	2 × 11	12 × 12	9 × 4	10 × 4	2 × 2	5 × 11
9 × 12	5 × 2	10 × 8	2 × 9	9 × 3	7 × 7	11 × 6	12 × 8	6 × 12	9 × 8
3 × 6	5 × 10	11 × 9	8 × 8	8 × 4	10 × 2	12 × 3	11 × 7	5 × 8	12 × 5
12 × 11	3 × 8	10 × 9	10 × 11	11 × 11	10 × 6	12 × 4	7 × 3	7 × 4	6 × 4
9 × 9	10 × 10	5 × 3	9 × 6	10 × 7	5 × 6	4 × 8	8 × 7	2 × 9	10 × 12
6 × 4	2 × 11	2 × 2	4 × 4	11 × 4	2 × 3	2 × 12	6 × 7	10 × 9	6 × 2
5 × 6	7 × 5	12 × 12	3 × 3	10 × 7	4 × 10	5 × 10	2 × 4	8 × 3	5 × 5
6 × 3	8 × 2	8 × 9	9 × 7	7 × 7	9 × 3	2 × 7	12 × 4	11 × 9	11 × 5

Multiplication Facts to 144 (F)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

3 × 2	10 × 11	10 × 8	7 × 10	6 × 2	3 × 5	8 × 4	11 × 11	2 × 9	9 × 7
2 × 10	4 × 4	10 × 5	9 × 11	5 × 7	11 × 3	10 × 12	12 × 12	8 × 2	5 × 5
7 × 7	8 × 11	4 × 12	9 × 12	3 × 9	4 × 7	9 × 9	8 × 12	2 × 4	9 × 5
12 × 3	6 × 8	5 × 11	11 × 4	4 × 5	5 × 8	7 × 8	8 × 9	10 × 3	5 × 2
2 × 2	10 × 9	5 × 12	10 × 4	8 × 3	4 × 9	3 × 6	2 × 7	3 × 3	11 × 6
6 × 6	12 × 6	2 × 11	3 × 4	7 × 6	4 × 6	10 × 10	11 × 7	2 × 12	7 × 3
6 × 10	12 × 7	8 × 8	5 × 6	11 × 12	9 × 6	11 × 11	5 × 12	12 × 2	6 × 12
11 × 9	9 × 4	5 × 10	7 × 10	10 × 3	12 × 9	7 × 5	12 × 11	6 × 8	4 × 4
3 × 3	9 × 5	5 × 6	6 × 11	5 × 5	10 × 9	12 × 10	3 × 11	5 × 11	10 × 2
7 × 8	9 × 9	6 × 10	3 × 6	2 × 4	8 × 3	5 × 8	12 × 12	10 × 10	10 × 11