

## Flex Summer Math Packet Practice: Entering 6<sup>th</sup> Grade

This packet is intended to keep the path skills you learned in 5<sup>th</sup> grade fresh in your mind during the summer. **Please show all 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) as your first grade in Math for the year. Be sure to also complete the Multiplication Math Fact Fluency and Speed requirement of the summer work, which will count as part of your first grade.

### Concept 1: Whole Number Division

Directions: Solve each problem showing all steps and circle your answer. Write remainders as fractions if needed. NO CALCULATOR

1. $3,072 \div 32$	2. $816 \div 34$	3. $9,317 \div 95$
4. $3,493 \div 37$	5. $2,226 \div 32$	6. $882 \div 6$

### Concept 2: Adding, subtracting, multiplying, and dividing with fractions.

Directions: Solve each problem showing all steps and circle your answer. Simplify your answer when possible. NO CALCULATOR

1. $4\frac{5}{6} + 3\frac{3}{4}$	2. $1\frac{3}{4} + 4\frac{3}{8}$	3. $8 - 5\frac{1}{8}$	4. $8\frac{1}{6} - 6\frac{3}{4}$
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5. $6\frac{1}{2} \div \frac{4}{5}$	6. $\frac{5}{6} \div \frac{7}{8}$	7. $4\frac{4}{6} \times 3$	8. $4\frac{1}{2} \times 5\frac{1}{3}$
9. $1\frac{3}{5} - \frac{5}{6}$	10. $3\frac{1}{3} - 1\frac{5}{6}$	11. $54 \div (2\frac{1}{2} + 4\frac{1}{4})$	12. $(1\frac{1}{2} + \frac{3}{4}) \div \frac{1}{8}$

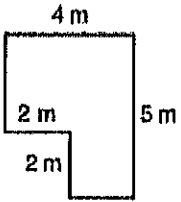
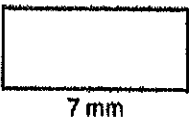
**Concept 3: Adding, subtracting, multiplying, and dividing with decimals.**

Directions: Solve each problem showing all steps and circle your answer. NO CALCULATOR

1. $28.6 - 0.975$	2. $5.6 - 0.105$	3. $18.419 - 6.47$	4. $55.867 + 25.6$
5. $3.22 + 45.0006 + 51.9$	6. $0.46 \times 1.3$	7. $0.12 \times 0.04$	8. $0.3 \times 4.24$
9. $0.025 \div 0.5$	10. $4.5 \div 0.2$	11. $1.1 \times 2.4$	12. $0.215 + 3.74$

### Concept 4: Perimeter/Area

Directions: Find the perimeter **and** area for each figure.

<p>1.</p>  <p>Perimeter: _____</p> <p>Area: _____</p>	<p>2.</p>  <p>Perimeter: _____</p> <p>Area: _____</p>
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### Concept 5: Place Value and Rounding.

Directions: Round each number to the correct place value.

1. Round 9.81 to the nearest tenth.	2. Round 66.944 to the nearest whole number.	3. Round 94.855 to the nearest hundredth.
4. Round 9.35 to the nearest whole number.	5. Round 41.711 to the nearest tenth.	6. Round 77.598 to the nearest hundredth.
7. Round 26.5245 to the nearest thousandth.	8. Round \$392.939 to the nearest cent.	9. Round 15.5 to the nearest whole number.

## Summer Vocabulary Words

Directions: Use [www.mathwords.com](http://www.mathwords.com) to define the following words. These are words you will be expected to use fluently in class.

Word	Definition
1. Sum	
2. Difference	
3. Quotient	
4. Product	
5. Prime	
6. Composite	
7. Equivalent	
8. Inverse Operation	
9. Order of Operations	
10. Coordinate Plane	
11. X-axis	
12. Y-axis	
13. Coordinate	
14. Evaluate	
15. Integers	

## Summer Fluency Practice

Directions: You should be fluent with basic multiplication and division facts. You should be able to complete this worksheet in 3 minutes to be considered fluent. \*\*\*There are two additional practice worksheets to help you practice.\*\*\*

### Multiplying and Dividing (A)

Calculate each product or quotient.

$50 \div 10 =$	$3 \times 4 =$	$4 \times 12 =$	$36 \div 3 =$
$55 \div 11 =$	$2 \times 6 =$	$12 \times 10 =$	$20 \div 4 =$
$12 \times 8 =$	$27 \div 3 =$	$24 \div 3 =$	$11 \times 9 =$
$80 \div 8 =$	$8 \times 4 =$	$33 \div 3 =$	$6 \times 12 =$
$12 \div 4 =$	$3 \times 5 =$	$4 \times 12 =$	$3 \div 1 =$
$5 \times 8 =$	$2 \times 6 =$	$10 \times 1 =$	$96 \div 12 =$
$2 \times 9 =$	$45 \div 9 =$	$10 \div 5 =$	$18 \div 2 =$
$64 \div 8 =$	$12 \times 2 =$	$10 \times 12 =$	$5 \times 6 =$
$14 \div 2 =$	$20 \div 2 =$	$27 \div 9 =$	$77 \div 7 =$
$7 \times 1 =$	$20 \div 10 =$	$3 \times 10 =$	$4 \times 9 =$
$8 \times 3 =$	$5 \times 5 =$	$55 \div 5 =$	$3 \times 1 =$
$8 \times 5 =$	$5 \times 5 =$	$90 \div 9 =$	$48 \div 8 =$
$45 \div 9 =$	$7 \times 1 =$	$1 \div 1 =$	$2 \div 2 =$
$70 \div 7 =$	$10 \times 11 =$	$96 \div 8 =$	$100 \div 10 =$
$9 \times 2 =$	$4 \times 10 =$	$1 \times 4 =$	$4 \times 6 =$
$11 \times 11 =$	$72 \div 9 =$	$8 \times 4 =$	$7 \div 7 =$
$108 \div 9 =$	$5 \times 8 =$	$8 \div 4 =$	$3 \times 2 =$
$54 \div 9 =$	$8 \times 11 =$	$5 \times 10 =$	$10 \div 2 =$
$40 \div 4 =$	$6 \div 3 =$	$99 \div 11 =$	$15 \div 3 =$
$8 \times 6 =$	$4 \times 3 =$	$22 \div 2 =$	$14 \div 2 =$
$21 \div 3 =$	$2 \times 6 =$	$4 \times 11 =$	$3 \times 5 =$
$3 \times 9 =$	$54 \div 9 =$	$11 \times 10 =$	$2 \times 3 =$
$81 \div 9 =$	$5 \times 3 =$	$72 \div 6 =$	$2 \times 7 =$
$6 \times 6 =$	$8 \div 1 =$	$120 \div 12 =$	$18 \div 3 =$
$12 \times 3 =$	$5 \times 3 =$	$5 \times 6 =$	$66 \div 6 =$

## Multiplying and Dividing (B)

Calculate each product or quotient.

$11 \times 1 =$	$40 \div 10 =$	$33 \div 11 =$	$5 \times 9 =$
$66 \div 11 =$	$11 \times 5 =$	$6 \times 1 =$	$5 \times 1 =$
$108 \div 9 =$	$49 \div 7 =$	$4 \times 10 =$	$12 \times 2 =$
$36 \div 4 =$	$1 \times 11 =$	$72 \div 6 =$	$9 \div 1 =$
$1 \times 2 =$	$12 \times 8 =$	$40 \div 4 =$	$1 \times 4 =$
$10 \div 5 =$	$12 \div 6 =$	$70 \div 10 =$	$25 \div 5 =$
$2 \times 8 =$	$5 \div 5 =$	$40 \div 4 =$	$9 \times 7 =$
$10 \div 1 =$	$110 \div 10 =$	$7 \times 11 =$	$4 \times 1 =$
$77 \div 7 =$	$7 \times 6 =$	$40 \div 5 =$	$7 \times 8 =$
$8 \times 1 =$	$8 \div 8 =$	$5 \times 11 =$	$6 \div 6 =$
$10 \times 8 =$	$12 \times 11 =$	$14 \div 2 =$	$18 \div 6 =$
$6 \times 3 =$	$44 \div 11 =$	$11 \times 8 =$	$4 \div 1 =$
$10 \times 9 =$	$2 \times 3 =$	$40 \div 8 =$	$2 \times 6 =$
$84 \div 7 =$	$24 \div 4 =$	$4 \times 5 =$	$9 \div 3 =$
$9 \div 9 =$	$11 \times 1 =$	$44 \div 11 =$	$9 \times 11 =$
$12 \times 8 =$	$2 \times 12 =$	$11 \times 1 =$	$35 \div 5 =$
$1 \times 1 =$	$80 \div 10 =$	$50 \div 10 =$	$90 \div 10 =$
$2 \times 11 =$	$84 \div 12 =$	$1 \times 11 =$	$5 \times 2 =$
$4 \times 9 =$	$5 \times 12 =$	$22 \div 2 =$	$60 \div 6 =$
$2 \times 9 =$	$24 \div 4 =$	$11 \times 1 =$	$12 \times 2 =$
$66 \div 11 =$	$96 \div 12 =$	$40 \div 10 =$	$100 \div 10 =$
$36 \div 12 =$	$1 \times 10 =$	$2 \div 1 =$	$3 \times 1 =$
$9 \times 1 =$	$6 \div 2 =$	$9 \times 11 =$	$12 \div 1 =$
$15 \div 3 =$	$5 \div 5 =$	$9 \times 9 =$	$9 \div 9 =$
$14 \div 7 =$	$66 \div 11 =$	$63 \div 9 =$	$6 \div 1 =$

## Multiplying and Dividing (C)

Calculate each product or quotient.

$11 \times 4 =$	$11 \times 11 =$	$5 \times 1 =$	$90 \div 9 =$
$3 \times 6 =$	$33 \div 11 =$	$11 \times 8 =$	$45 \div 9 =$
$64 \div 8 =$	$25 \div 5 =$	$1 \times 2 =$	$10 \times 6 =$
$24 \div 12 =$	$40 \div 4 =$	$8 \times 10 =$	$16 \div 2 =$
$14 \div 2 =$	$100 \div 10 =$	$21 \div 7 =$	$9 \times 8 =$
$144 \div 12 =$	$63 \div 9 =$	$99 \div 9 =$	$27 \div 3 =$
$4 \times 4 =$	$48 \div 12 =$	$10 \times 8 =$	$36 \div 3 =$
$132 \div 11 =$	$132 \div 12 =$	$10 \times 10 =$	$2 \times 11 =$
$54 \div 6 =$	$2 \times 10 =$	$11 \times 1 =$	$60 \div 5 =$
$5 \times 10 =$	$18 \div 9 =$	$7 \times 3 =$	$56 \div 7 =$
$3 \times 6 =$	$70 \div 10 =$	$3 \times 7 =$	$15 \div 3 =$
$21 \div 7 =$	$77 \div 7 =$	$20 \div 2 =$	$90 \div 10 =$
$12 \times 11 =$	$12 \times 7 =$	$2 \times 8 =$	$24 \div 2 =$
$1 \times 2 =$	$20 \div 10 =$	$11 \times 2 =$	$9 \times 12 =$
$28 \div 4 =$	$24 \div 6 =$	$8 \times 12 =$	$8 \times 2 =$
$110 \div 10 =$	$7 \times 7 =$	$2 \times 4 =$	$90 \div 9 =$
$9 \div 9 =$	$84 \div 7 =$	$42 \div 6 =$	$36 \div 3 =$
$5 \times 5 =$	$5 \times 5 =$	$4 \times 1 =$	$5 \times 4 =$
$66 \div 6 =$	$5 \times 12 =$	$7 \times 1 =$	$12 \div 2 =$
$32 \div 8 =$	$33 \div 11 =$	$12 \times 1 =$	$42 \div 7 =$
$6 \div 2 =$	$9 \times 5 =$	$12 \div 12 =$	$33 \div 3 =$
$132 \div 11 =$	$2 \times 7 =$	$11 \times 3 =$	$6 \times 1 =$
$40 \div 4 =$	$11 \times 9 =$	$2 \times 1 =$	$6 \div 1 =$
$1 \times 3 =$	$36 \div 9 =$	$7 \times 3 =$	$4 \times 9 =$
$88 \div 11 =$	$5 \times 6 =$	$7 \times 10 =$	$8 \times 6 =$

Sunday

Monday

Tuesday

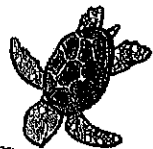
Wednesday

Thursday

Friday

Saturday

# MATH REVIEW OF THE DAY



## JUNE 2022

5

Solve.  
 $6977 + 285$

6

Simplify this fraction.  
 $\frac{32}{56}$

7

Convert 264 inches to feet.

8

Fill in the blank with always, sometimes, or never.  
Squares are \_\_\_\_\_ parallelograms.

9

Solve.  
 $378 \div (78 - 69)$

10

The value of the 8 in 75.88 is \_\_\_\_\_ times the value of the 8 in 25,968.

11

Solve.  
 $9 \times 38,274$

12

Solve.  
 $1492 - 3908$

13

Order from least to greatest.  
 $\frac{11}{18}, \frac{7}{12}, \frac{8}{9}$

14

A square has side lengths of  $\frac{3}{4}$  in. What is its area?

15

How many units above the x-axis is the point located at (9, 6)?

16

If the rule is  $y = x + 6$ , what is the y-coordinate for this ordered pair? (8, y)

17

Which number is greater?  
6.57 or 6.507

18

Solve.  
 $6,378 \div 8$

19

Solve.  
 $6 \times 5128$

20

Solve. Simplify your answer.  
 $\frac{17}{20} + \frac{5}{8}$

21

Convert 485 liters to milliliters.

22

Fill in the blank with always, sometimes, or never.  
Rhombuses are \_\_\_\_\_ squares.

23

Solve.  
 $14 + 56 \times 2$

24

Round this number to the nearest tenth.  
924.651

25

Solve.  
 $42 \times 526$

26

Solve.  
 $7263 \div 3$

27

Solve. Simplify your answer.  
 $\frac{3}{4} - \frac{8}{15}$

28

Find the volume. The figure is made up of centimeter cubes.



29

This point is located 3 units above the x-axis and 7 units to the right of the y-axis. Write the ordered pair.

30

Solve.  
 $6 \times (10 + 4) \div 7$

31





# June Workspace

Name \_\_\_\_\_

Use this workspace to show any work you do. Be sure to write the problem number in each box.

# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____

# June Workspace

Name \_\_\_\_\_

Use this workspace to show any work you do. Be sure to write the problem number in each box.

# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____

Sunday

Monday

Tuesday

Wednesday


Thursday

Friday

Saturday

# MATH REVIEW OF THE DAY

## JULY 2022



3

Solve.

$$5.98 + 328.62$$

4

Fill in the blank with  $<$ ,  $>$ , or  $=$ .

$$\frac{3}{4} \times \frac{2}{5} \text{ --- } \frac{2}{5}$$

5

Convert 5.75 hours to minutes.

6

How many sets of parallel sides do all parallelograms have?

7

Write the rule.  $y = ?$

x	y
1	8
2	16
4	32

8

Write this number in word form.

12094

9

Solve.

$$979 \div 24$$

10

Solve.

$$600 - 14783$$

11

Solve. Simplify your answer.

$$\frac{3}{5} \times \frac{4}{9}$$

12

Find the area of a rectangle with a length of  $\frac{3}{10}$  m and a width of  $\frac{4}{5}$  m.

13

A triangle has angle measurements of  $15^\circ$ ,  $66^\circ$ , and  $92^\circ$ . Classify this triangle by angles.

14

Write the expression.

The product of 15 and 3, subtracted from 50.

15

Round this number to the nearest hundredth.

425.073

16

Solve.

$$70 \times 431$$

17

Solve.

$$48 \times 917$$

18

Solve. Simplify your answer.

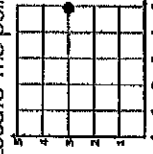
$$16 \div \frac{1}{8}$$

19

Convert 7,400 meters to kilometers.

20

Locate the point.



21

What is the value of  $y$  when  $x = 60$ ?

x	20	25	30	35
y	6	11	16	21

22

Order from least to greatest.

9,612, 9,17, 9,62, 9,216

23

Solve.

$$5,293 + 83$$

24

Solve.

$$192 \div 16$$

25

Solve. Simplify your answer.

$$2\frac{3}{8} + 3\frac{1}{6}$$

26

What is the volume of a cube with side lengths that measure 8 cm?

27

I have 4 sides and 4 right angles. My dimensions are 17 cm by 9 cm. What is my most specific name?

28

Solve for the unknown.

$$? + 347 = 98.24$$

29

Solve.

$$5.38 \times 10^3$$

30

Solve.

$$109 \times 358$$

31

Solve.

$$9 \times 8 + 12 \div 4$$

# July Workspace

Name \_\_\_\_\_

Use this workspace to show any work you do. Be sure to write the problem number in each box.

# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____

# July Workspace

Name \_\_\_\_\_

Use this workspace to show any work you do. Be sure to write the problem number in each box.

# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____
# _____	# _____	# _____	# _____	# _____