

Name: _____

Date: _____

Summer Packet Practice: 6th Grade

This packet is intended to keep the math skills you learned in 5th 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 11th, 2021. You will also have a quiz on these skills.

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. $39,751 \div 313$	3. $9,317 \div 95$
4. $3,493 \div 37$	5. $2,226 \div 32$	6. $4,539 \div 51$

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. $(1\frac{1}{2} + \frac{3}{4}) \div \frac{1}{8}$

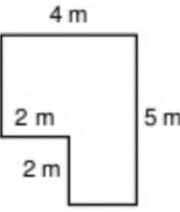

Concept 3: Adding, subtracting, multiplying, and dividing with decimals.

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. 11.3×20.5	7. 0.12×0.04	8. 0.3×4.24
9. $33.475 \div 0.65$	10. $2.46 \div 12.3$	11. 1.1×2.4	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 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.

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