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 12th, 2026.

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

You must also be at 80% in 5th grade Aleks to be placed into the 6th grade Aleks class.

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 ÷ 32	**2. 816 ÷ 34**	**3. 9,317 ÷ 95**
4. 3,493 ÷ 37	**5. 2,226 ÷ 32**	**6. 882 ÷ 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.** $8\frac{1}{6}-6\frac{3}{4}$

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.** $54 \div (2\frac{1}{2} + 4\ ¼)$	**12.** $(1\frac{1}{2} + \frac{3}{4}) \div \frac{1}{8}$

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

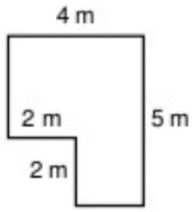
Directions: Solve each problem showing all steps and circle your answer. NO CALCULATOR

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.** 0.46×1.3	**7.** 0.12×0.04	**8.** 0.3×4.24
9. $0.025 \div 0.5$	**10.** $4.5 \div 0.2$	**11.** 1.1×2.4	**12.** $0.215 + 3.74$

Concept 4: Perimeter/Area

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

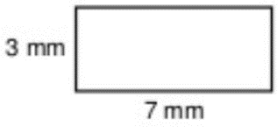
1.



Perimeter: _____

Area: _____

2.



Perimeter: _____

Area: _____

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

Multiplying and Dividing (B)

Calculate each product or quotient.

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

Multiplying and Dividing (C)

Calculate each product or quotient.

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