

Flex Summer Math Packet

Entering 5th Grade

Purpose: This packet is designed to help students stay on track over the summer and enter 5th grade confident and prepared for a great school year. After reviewing the 4th grade skills, this packet contains the concepts that you will be expected to know when entering 5th grade math.

***Students should be fluent in 0-12 multiplication and division facts. Be sure to complete the Multiplication Fact Fluency and Speed Packet requirements incoming 5th graders in addition to this packet. Both packets will be due as part of the first assignment of the school year in Math.

A. Place Value

1. Write the number 310 , 409 in various forms:

a. Expanded form: _____

b. Written form: _____

2. What is the standard form of three hundred twenty million, seventy-three thousand, forty-seven?

3. What is the value of the 4 in 310,409? _____

4. Which digit is in the ten thousands place in 310,409? _____

5. Write the VALUE of each digit for 6,423.

6: _____

4: _____

2: _____

3: _____

5. Round 542,173 to

a. the nearest thousand _____

b. the nearest hundred _____

c. the nearest tens _____

6. Number Patterns- Fill in the blank

$3 \times 6 = 18$

$48 \times 1 = 48$

$3 \times 60 = 180$

$48 \times 10 = 480$

$3 \times 600 = 1800$

$48 \times 100 = 4800$

$3 \times 6000 = \underline{\hspace{2cm}}$

$48 \times 1000 = \underline{\hspace{2cm}}$

7. Comparing Numbers- Compare the following numbers using $<$, $>$, $=$ in the circle provided.

$20,382 \bigcirc 13,937$

$392 \bigcirc 329$

$149,392 \bigcirc 194,934$

B. Order of Operations:

List the order of operations:

1. Use the order of operations to solve the following equation:

a. $3 + (4 \times 12)$ _____ b. $6 \times (12 - 4)$ _____

2. Write an EXPRESSION to match the words:

a. Josh has 14 baseball cards and then finds 6 more. _____

b. Sarah has \$8 and then she spent \$3 on a snowball. _____

C. Properties:

The Properties you should be able to identify and give examples of are:

a. Associative Property of Addition

b. Associative Property of Multiplication

c. Commutative Property of Addition

d. Commutative Property of Multiplication

e. Identity Property of Addition

f. Identity Property of Multiplication

g. Distributive Property

Name the property demonstrated using the list above:

1. $(3 \times 6) \times 5 = 3 \times (6 \times 5)$ _____

2. $3 + 7 + 9 = 7 + 3 + 9$ _____

3. $127 \times 1 = 127$ _____

4. $15 + 0 = 15$ _____

5. $1,000 \times 1 =$ _____

6. $24 \times 3 = (20 \times 3) + (4 \times 3)$ _____

D. Addition and Subtraction

1. 40,107

+ 28,532

2. 54,372

+ 10,090

3. 778,473

- 304,279

4. 50,889

- 23,593

5. Last year, the local animal shelter found homes for 12,308 dogs and 7,953 cats. What is the total number of dogs and cats the animal shelter found homes for last year?

6. The area of South Dakota is 77,353 square miles. The area of North Dakota is 70,700 square miles. How many square miles greater is the area of South Dakota than the area of North Dakota?

7. An amusement park had 56,437 and visitors the first year and 48,319 the second year it was opened. What was the total number of visitors for both years?

E. Multiplication and Division

1. 97

X 4

2. 193

x 3

3. 89

x 8

4. 453

x 8

5. $20,000 \div 4 =$

6. $2,403 \div 9 =$

7. $492 \div 4 =$

8. A family pass to the amusement park cost \$54. Using the Distributive Property, write an expression that can be used to find the cost in dollars of 8 family passes.

9. Jaycee's parent buy 4 tickets for the nature museum. Each ticket costs \$13. What is the total cost of the 4 tickets?

10. A theater has 1,678 seats. A magician performed 3 sold out shows at the theater. How many people were able to see the magician's show?

11. List the parts of a division problem with the label quotient, divisor, dividend:

$$328 \div 4 = 82$$

12. On Saturday, a total of 1292 people went to see a new movie. There were 4 different showings for the new movie and the same number of people attended each showing. How many people attended each showing?

13. A dentist bought 9 bags of prizes for his patients. Each bag had 12 prizes. The prizes were divided equally among 3 boxes. How many prizes were in each box?

F. Fractions-

1. List the common denominators for the following pairs of numbers:

a. 2, 3 _____ b. 3, 4 _____ c. 2, 6 _____ d. 3, 8 _____

2. Make an equivalent fraction for the following:

a. $\frac{1}{6} =$ _____ b. $\frac{4}{9} =$ _____ c. $\frac{2}{7} =$ _____ d. $\frac{3}{8} =$ _____

3. Simplify the following fractions:

a. $\frac{4}{6} =$ _____ b. $\frac{8}{24} =$ _____ c. $\frac{7}{49} =$ _____ d. $\frac{6}{8} =$ _____

4. Adding and Subtracting Fractions: Perform the operation and answer in simplest form

a. $\frac{3}{9} + \frac{2}{9} =$ _____ b. $\frac{5}{7} + \frac{2}{7} =$ _____

c. $\frac{5}{6} - \frac{1}{6} =$ _____ d. $\frac{7}{10} - \frac{3}{10} =$ _____

e. Mrs. Mitchell needs $\frac{1}{2}$ cup mixed nuts for her granola recipe. She only has a $\frac{1}{4}$ cup measuring cup. Write the equivalent fraction that shows the amount of mixed nuts she will use for the recipe.

f. Michael is practicing baseball. He spends $\frac{1}{2}$ hour on his hitting and $\frac{1}{4}$ hour on ground balls. What is a common denominator for $\frac{1}{2}$ and $\frac{1}{4}$?

g. Ali needs $\frac{4}{10}$ yards of red ribbon and $\frac{5}{10}$ of blue ribbon to make a tail for her kite. How much ribbon does Ali need in all?

h. Bryan brought $\frac{8}{10}$ gallon of water on a hiking trip. He drank $\frac{4}{10}$ gallon of water. How much water is left?

i. Lily has two kittens. One kitten weighs $\frac{15}{16}$ pound. The other kitten weighs $\frac{12}{16}$ pound. What is the difference in the weights of the two kittens?

k. Jamie put $2\frac{3}{12}$ pounds of green apples into a bag. He then added $3\frac{5}{12}$ pounds of red apples into the same bag. What is the total weight of the apples in the bag?

l. Mrs. Dees buys $4\frac{5}{8}$ yards of blue fabric and $2\frac{1}{8}$ yards of green fabric. How many more yards of blue fabric than green fabric does Mrs. Dees buy?

G. Decimals

1. The stout infant fish is one of the world's smallest fish. It is only about $8\frac{4}{10}$ millimeters long. What is this length written as a decimal?

2. What is $2\frac{75}{100}$ written as a decimal?

3. Jill buys a tomato that weighs 0.9 pound. Write the weight of the tomato as a fraction with a denominator of 100.

H. Geometry

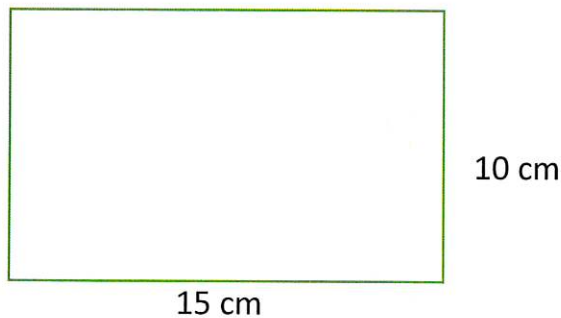
1. Give an example of each of the following;

a. Parallel lines

b. Perpendicular lines

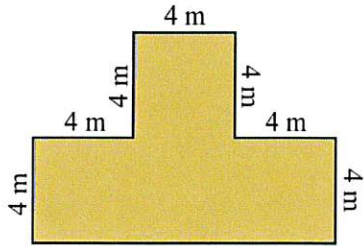
c. intersecting lines

2. Stella wants to put ribbon around the perimeter of her art project. How many centimeters of ribbon will she need?

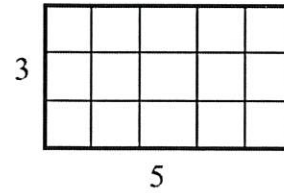


3.) Henry draws an obtuse triangle. How many obtuse angles does Henry's triangle have?

4.) Find the perimeter of the figure.



5.) Find the area of the figure.



I. Conversions: Fill in the blank for these customary units

Weight	Length	Capacity
1 pound = _____ ounces	1 foot = _____ inches	1 cup = _____ fl. Oz
1 Ton = _____ pounds	1 yard = _____ feet	1 pint = _____ cups
	1 mile = _____ feet	1 quart = _____ pints
	1 mile = _____ yards	1 quart = _____ cups
		1 gallon = _____ quarts

QR CODES

Each QR code below links to a video lesson on Khan Academy. At the top of the web page, you will notice you have the option to watch additional videos or do practice problems for extra help.

Subtracting with regrouping



Multi digit addition with regrouping



2 digit multiplication



Long Division



Subtracting fractions with like denominators



Adding fractions with like denominators



Associative and Commutative Property



Rewriting fractions as decimals



Distributive Property



Place Value



Quadrilaterals



Area and Perimeter



Sunday

Monday

Tuesday

Wednesday


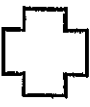

Thursday

Friday

Saturday

MATH REVIEW OF THE DAY JUNE 2022



5 Estimate. Before multiplying, round the multi-digit factor to its greatest place value. 729×6	6 What numerator makes these fractions equivalent? $\frac{3}{4} = \frac{?}{12}$	7 Write 0.73 as a fraction.	8 A rectangular yard has a length of 26 ft and a width of 13 ft. Calculate its area.	9 What are the next two numbers in the pattern? 5, 20, 35, —, —	10 The value of the 7 in 567,129 is _____ times the value of the 7 in 894,715.	11 Estimate. Before subtracting, round each number to its greatest place value. $62,214 - 38,195$
12 Estimate. Before dividing, round the dividend to the nearest compatible number. $438 \div 9$	13 Which fraction is greater? $\frac{5}{8}$ or $\frac{7}{12}$	14 Write $\frac{4}{10}$ as a decimal.	15 An angle measures 95° . What type of angle is it?	16 Which number between 20 and 30 has an odd number of factors?	17 Which number is greater? 293,416 or 289,578	18 Solve. $56,234 + 17,058$
19 Solve. 7×548	20 Solve. $\frac{5}{8} + \frac{4}{8}$	21 What numerator makes these fractions equivalent? $\frac{7}{10} = \frac{?}{100}$	22 Draw the following figure: 	23 — times as many as 6 is 48.	24 Round this number to the nearest 100,000. 348,997	25 Solve. $38,925 - 16,087$
26 Solve. $372 \div 4$	27 Solve. $3\frac{11}{12} - \frac{7}{12}$	28 Use $<$, $>$, or $=$ to compare the decimals. 0.9 _____ 0.09	29 How many lines of symmetry does this figure have? 	30 What factors do 12 and 54 have in common?		

June Answer Sheet

Name _____

1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
5	_____	_____	_____
6	_____	_____	_____
7	_____	_____	_____
8	_____	_____	_____
9	_____	_____	_____
10	_____	_____	_____
	11	_____	_____
	12	_____	_____
	13	_____	_____
	14	_____	_____
	15	_____	_____
	16	_____	_____
	17	_____	_____
	18	_____	_____
	19	_____	_____
	20	_____	_____
	21	_____	_____
	22	_____	_____
	23	_____	_____
	24	_____	_____
	25	_____	_____
	26	_____	_____
	27	_____	_____
	28	_____	_____
	29	_____	_____
	30	_____	_____

Sunday

Monday

Tuesday

Wednesday

Thursday


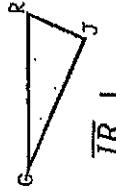
Friday

Saturday

MATH REVIEW OF THE DAY

JULY 2022



3	4	5	6	7	8	9
Solve. $869 \div 3$	What denominator makes these fractions equivalent? $\frac{2}{5} = \frac{4}{?}$	Write 0.2 as a fraction.	How many sets of parallel lines does this figure have? 	I am a number between 60 and 70. I am a multiple of 8. What number am I?	Write this number in word form. 340,216	Estimate. Before adding, round each number to its greatest place value. $59,421 + 178,056$
10	11	12	13	14	15	16
Estimate. Before multiplying, round the multi-digit factor to its greatest place value. $7 \times 8,159$	Solve. $\frac{3}{4} \times 7$	Write $\frac{9}{100}$ as a decimal.	Use the figure. 	List all of the factors of 56 in order from least to greatest.	Round this number to the nearest 1,000. 980,605	Solve. $478,395 + 236,240$
17	18	19	20	21	22	23
Estimate. Before dividing, round the dividend to the nearest compatible number. $3,695 \div 5$	Solve. $2\frac{2}{10} + 4\frac{7}{10}$	Solve. $\frac{7}{100} + \frac{6}{10}$	How many grams are in 7 kilograms 37 grams?	___ is twice as many as 4.	Which number is less? 142,086 or 142,680	Solve. $795,046 - 58,937$
24	25	26	27	28	29	30
Solve. $4,409 \times 8$	Decompose $\frac{4}{5}$ $\frac{4}{5} = \frac{?}{?} + \frac{?}{?} + \frac{?}{?}$	Use $<$, $>$, or $=$ to compare the decimals. 0.6 ___ 0.58	How many minutes are in 8 hours 24 minutes?	What are the next four multiples of 6? 6, 12, ___, ___, ___	What is the value of the underlined digit? 712,984	Solve. $657,247 + 49,051 + 102,886$
31						
Solve. $1,172 \div 7$						

July Answer Sheet

Name _____

1	_____	21	_____
2	_____	22	_____
3	_____	23	_____
4	_____	24	_____
5	_____	25	_____
6	_____	26	_____
7	_____	27	_____
8	_____	28	_____
9	_____	29	_____
10	_____	30	_____
		31	_____