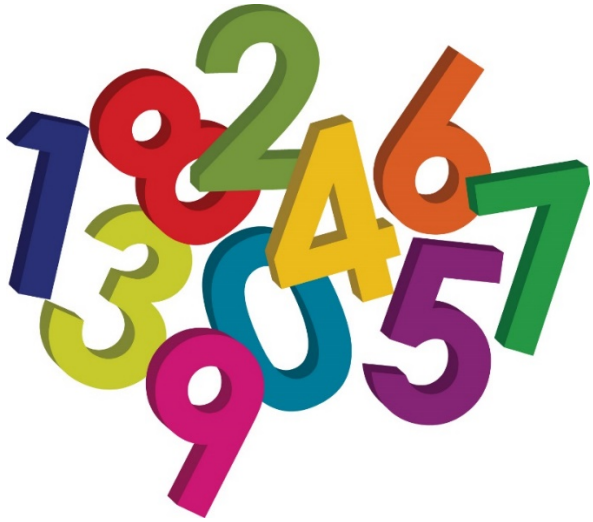
5th Grade Summer Math Packet



Summer 2020

Hi,

We are so excited to have you join us in Middle School next year!! This Summer Math Packet was developed to help you review the math concepts from fourth grade. Summer review and reinforcement will help improve math performance in fifth grade. We hope this packet gets you excited about the new concepts we will learn next year. It should also give you confidence in your math abilities – you are well prepared for the next level of math!

As you complete this Summer Math Packet, please keep in mind the following things:

- Complete each problem to the *best of your ability*
- Show your work so that we can see the thought process you used to complete the problems
- Please circle or box your final answer

When you are working, you may use your Everyday Math Student Reference Book. Please keep in mind we are looking for *good effort* in completing the problems more than the right answer. Good effort includes attempting the problems and showing the work/thought process used to achieve an answer.

THIS ASSIGNMENT IS DUE WEDNESDAY, AUGUST 12TH,
THE FIRST DAY OF THE NEW SCHOOL YEAR.
THIS PACKET WILL BE WORTH 50 POINTS AND
IT WILL COUNT AS THE FIRST GRADE OF THE NINE WEEKS
IN MATH CLASS.

Suggested Pacing Guide

Week 1	Pages 3, 4, and 5	June 12
Week 2	Pages 6, 7, and 8	June 19
Week 3	Pages 9, 10, 11, and 12	June 26
No work over July 4th week		
Week 4	Pages 13, 14, and 15	July 10
Week 5	Pages 16, 17, 18, and 19	July 17
Week 6	Pages 20, 21, and 22	July 24

Adding Whole Numbers and Decimals

1) 24
+13

2) 276
+ 48

3) 395
+ 47

4) 7,601
+ 841

5) 28, 326 + 4,789 =

6) 428 + 67 + 49 =

7) 429 + .178 + .26 =

8) 25 + .017 + 3,560 =

Subtracting Whole Numbers and Decimals

1) 3,240
- 1,276

2) 868
- 19

3) 10,005
- 2,365

4) 2,357 - 8.7 =

5) 47.65 - .029 =

7) 678.59 - 10.352 =

8) 14,537 - 2.3 =

Place Value

Using the number 4,826,319,247 tell which digit is in the following place:

Hundred millions ___

Millions ___

Thousands ___

Ten thousands ___

Hundreds ___

Tens ___

Ones ___

Ten millions ___

Hundred thousands ___

Place Value

Create the number that has…._____

Eight in the millions place

Four in the thousands place

Three in the hundred millions place

Two in the ten thousands place

Nine in the ones place

Six in the tenths place

Zero in the ten millions place

Eight in the hundreds place

Seven in all remaining places

How many digits does this number have in all? _____

Place Value

Complete the following place value puzzle.

___,___ ___ ___, ___ ___ ___, ___ ___ ___, ___ ___ ___ . ___ ___ ___

The digit in the ten millions place equals 2 x 3.

The digit in the hundreds place is 4 more than the digit in the thousands place.

The digit in the billions place is half of twelve.

The digit in the tenths place is zero.

The digit in the thousands place is three

The digit in the most valuable place is nine.

The digit in the ten billions place is double the digit in the hundredths place.

The digit in the thousandths place is four less than the digit in the trillions place and one more than the digit to its immediate left.

The digit in the ones place is the smallest, even, whole number.

The digit in the hundred thousands place equals 7 divided by 7.

The digit in the millions place is two more than the digit in the hundreds place.

All remaining places are filled by the digit in the ten billions place.

Tally Chart

Use this tally chart to answer the questions below.

Points Earned Playing Cards

Player	
Kim	𝍸 I
Dante	IIII
Mark	𝍸 𝍸 II
Ben	𝍸 IIII
Sasha	𝍸 𝍸 𝍸 IIII

1. Who scored the most points? _____
2. How many players scored an even number of points? Name them.

_____

3. How many more points does Dante need to tie the winner? ____
4. Who scored twice as many points as Kim? _____

Factors

Recall that a factor is a number that is multiplied by another to find the product. Find all the factors of the products listed below. The number in parentheses tells you how many factors the product has. The first one is done for you. Note: List factors from smallest to largest.

Product	Number of Factors	Factor Pairs	Factors
28	(6)	1 x 28, 2 x 14, 4 x 7	1,2,4,7,14,28
8	(4)		
12	(6)		
24	(8)		
30	(8)		
54	(8)		
100	(9)		

Number Patterns

Complete the number patterns.

A.) 1, 3, ____, 7, 11, ____, ____, ____

B.) 2, 5, ____, 11, 14, ____, 20, ____, ____

C.) 30, 25, ____, 15, ____, ____, 0

D.) 9, ____, 17, ____, 25, ____, 33, ____

E.) 17, ____, 34, ____, 68, ____, 102, ____, 136

F.) 210, ____, 170, ____, 150, ____, 110, ____, ____

G.) 2.7, ____, 3.3, ____, 3.9, 4.2, ____, ____

Comparing and Ordering Decimals

Compare the following decimals using <, >, =

21.6 ____ 18.9 1.048 ____ .999 .17 ____ .165

.671 ____ .672 10,246.328 ____ 10,245.318 3.26 ____ 3.2599

Order the following decimals from least to greatest.

0.93216, 2.9316, 12.396, 0.6923, 3.9261, 0.96123, 0.96321

_____, _____, _____, _____, _____, _____, _____

Data Sets

Use the data to identify the landmarks.

15, 13, 21, 17, 15, 14, 18, 23, 14, 18, 13, 17, 15

Minimum _____

Maximum _____

Range _____

Mode _____

Median _____

Data Sets

Use the data set to identify the landmarks.

10, 14, 11, 7, 8, 5, 4, 10, 10, 8, 13, 5

Minimum _____

Maximum _____

Range _____

Mode _____

Median _____

Solving Number Stories

You and your friends are at a theme park for the day. You have $40 in your pocket at the start of the day. The cost of admission is $20, but you have a coupon for $3 off. After getting into the park, you immediately buy a lemonade for $2.25 and a bag of mini donuts for $2.75. At this point, how much money do you have left?

After a few hours of going on rides, you and your friends decide to head over to the games and arcade area for fun and some lunch. You all want to play games and then eat. You already know that you'd like to get pizza (cost of $3), a soda (cost of $2.50) and an ice cream cone (cost of $1.75). All games are specially priced today at $1 each. If you want to still have $7 left over after the games and lunch, how many games can you play?

After lunch you go on more rides. Toward the end of the day you and your best friend spot a tattoo (fake, of course!) stand. Each tattoo costs $4.50 but the worker says for today only, they are 20% off. How many tattoos can you afford to get?

Solving Number Stories

Amanda's parents opened a savings account for her at the local bank with a deposit of $100. She added $45 after her birthday. When school was about to start, she withdrew $75 to buy some new clothes. In the fall, she began babysitting for the little boy across the street, earning $15.50 each week. After 7 weeks of babysitting how much money is in her account?

Britney has a dance class this evening. She still needs to get ready, eat dinner, and be driven to the dance studio by her older sister. It takes her 15 minutes to get ready, 20 minutes to eat dinner, and the drive from her house to the studio is 10 minutes. Also, she likes to arrive at least 15 minutes early so she isn't rushed or late. If her class begins at 6:30 pm, what is the latest time she can begin getting ready?

John and 4 friends decide to in-line skate to the water park. They leave John's house at 9:00 am. The park is 25 minutes away by bike or in-line skating. On the way, they stop for a drink of water and rest for 5 minutes. When they arrive at the park, they go on water slides and swim for 2 ½ hours. They also eat lunch there which takes 15 minutes. Before they leave, each one at a time goes on a new water ride that lasts for 2 minutes. If they in-line skate right back to John's, without a water break, at what time will they arrive?

Solve the Problems Below

40 x 80 = _____

60 x 700 = _____

20 x 2400 = _____

800 x 90,000 = _____

7,000 x 110,000 = _____

Circle ¼ of the set. Then cross out ½ of the set. What fraction of the set remains?

O O O O O
O O O O O
O O O O O
O O O O O

Circle ⅛ of the set. Cross out ¼ of the set. What fraction of the counters in the set was left untouched?

O O O O O O O O
O O O O O O O O

Solve the Problems Below

Cross out ⅜ of the set. Circle 1/12 of the set. What fraction of the set has been crossed out, filled in, or circled?

O O O O O O O O
O O O O O O O O
O O O O O O O O

Write T if the number sentence is true or F if the number sentence is false.

27 - 19 = 8 ___

46 - 27 > 64 - 38 ___

756 - 489 < 693 - 427 ___

1357 - 909 = 1286 - 837 ___

16,812 - 423 > 18,932 - 2,546 ___

Use <, >, or = to make the number sentence true.

14.82 - 3.16 ____ 12.13 - .78

497 - 248 ____ 618 - 483

12,931 - 3,642 ____ 17,856 - 8,170

216.001 - 128.76 ____ 156.34 - 68.97

Solve the Multiplication Problems

14 x 7	28 x 9	54 x 8
63 x 38	21 x 95	24 x 35
7.4 x 5.6	31 x .54	2.6 x 8.4

Positive and Negative Numbers

Solve.

7 + -3 = _____ -1 + 7 = ____ 9 + -5 = ____

6 + -1 = ____ -46 + 20 = ____ -23 + -18 = ____

Insert >, <, or = to make a true number sentence.

-34 ____ -9 -89 ____ -99 -2.99 ____ -2.9

-¼ ____ -⅓ -18/9 ____ -2 1/4 -3.47 ____ -.347

Fractions

Fill in the missing numbers in the table of equivalent fractions, decimals, and percent.

Fraction	Decimal	Percent
4/10		
	0.6	
		75%

Solve.

Kendra set a goal of saving $50 in 8 weeks. During the first 2 weeks, she was able to save $10.

a. What fraction of the $50 did she save in the first 2 weeks? _____

b. What percent of the $50 did she save? _____

c. At this rate, how long will it take her to reach her goal? _____

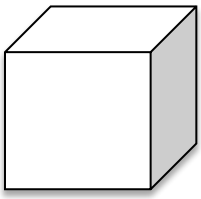
Tamara's new skirt was on sale at 15% off the original price. The original price of the skirt was $60.

a. How much money did Tamara save with the discount? _____

b. How much did she pay for the skirt? _____

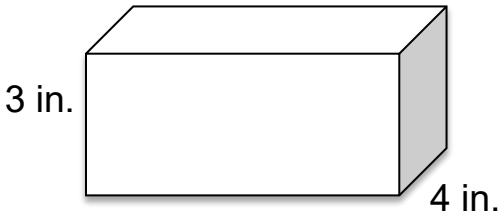
Volume, Area, and Perimeter

Find Volume



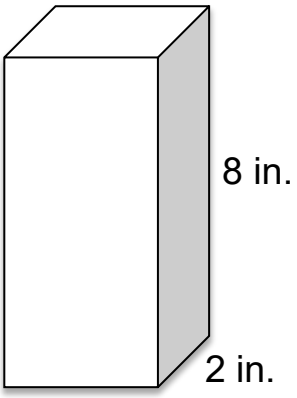
4 in.

_____



7 in.

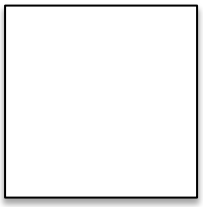
_____



2 in.

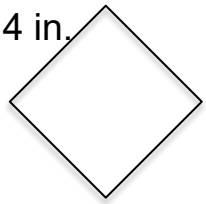
_____

Find Perimeter and Area



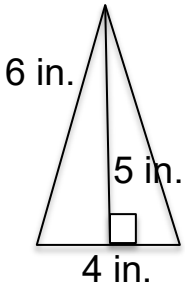
P:_____

A:_____



P:_____

A:_____



P:_____

A:_____

Division

Solve. Show your work.

74.8 / 4 =

193.6 / 8 =

88.5 / 3 =

34.5 / 5 =

763 / 7 =

564 / 3 =