

Lakeview Christian Academy
Summer Math Packet
For Students Entering Grade 5

Student's Name _____

Summer 2018

To be completed during the month of August prior to the start of the school year.

**Turn this math packet into your math teacher on the first day of school
for your first homework grade.**

Place Value

1.) A local car dealer sold 870 cars last month. He sold 100 **MORE** cars this month than last month. How many cars did he sell this month?

- a) 770
- b) 870
- c) 970
- d) 1070

2.) Which means the same as 7,046?

- a) $7000 + 40 + 6$
- b) $7000 + 406$
- c) $700 + 40 + 6$
- d) $70 + 46$

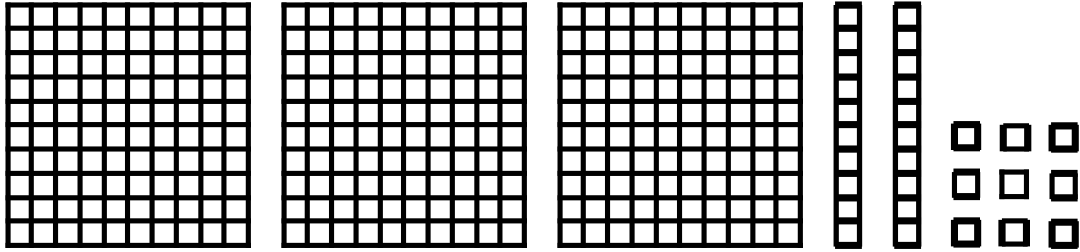
3.) Which means the same as 95?

- a) 9 tens and 15 ones
- b) 90 tens and 5 ones
- c) 8 tens and 15 ones
- d) 7 tens and 15 ones

4.) In which number does 4 have the **GREATEST** value?

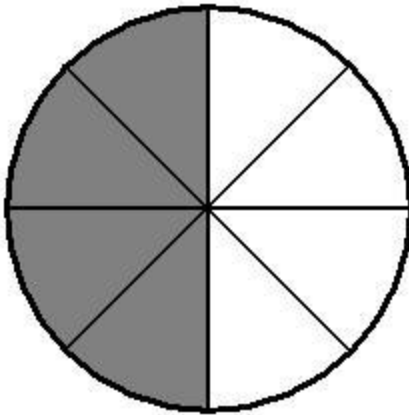
- a) 34
- b) 43
- c) 435
- d) 534

Pictorial Representations of Numbers



5.) What number is shown by the blocks pictured above? _____

6.) What fractional part of this figure is shaded?



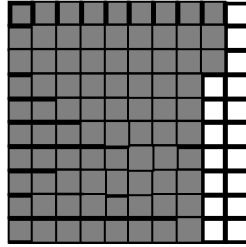
a)
 $\frac{1}{8}$

b)
 $\frac{1}{4}$

c)
 $\frac{1}{2}$

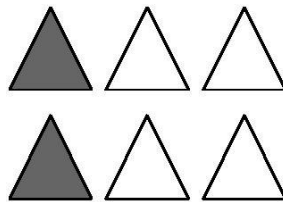
d)
 $\frac{3}{4}$

7.) The shaded part of this picture shows what decimal number?

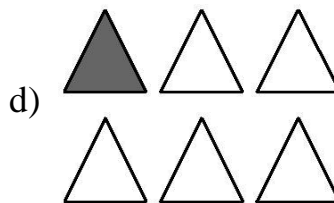
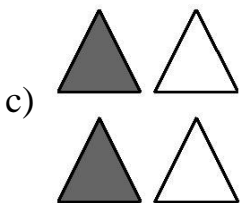
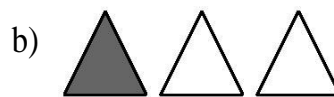
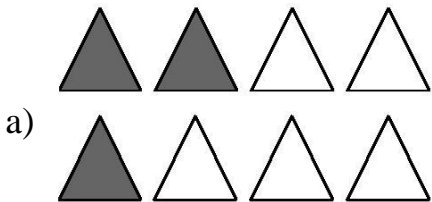


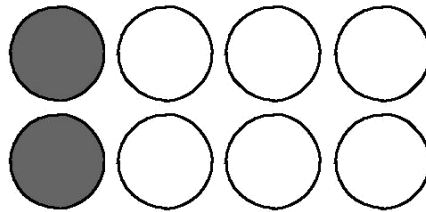
- a) 0.17
- b) 0.38
- c) 0.83
- d) 1.3

Equivalent Fractions, Decimals, and Percentages

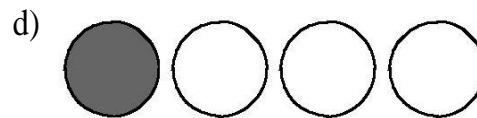
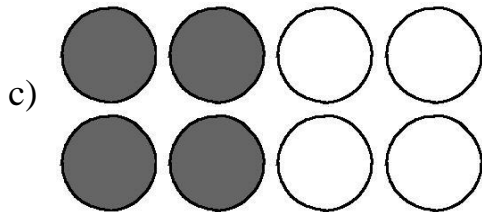
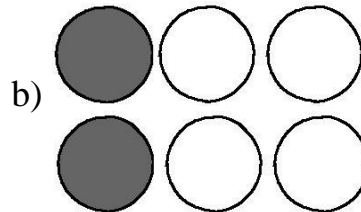
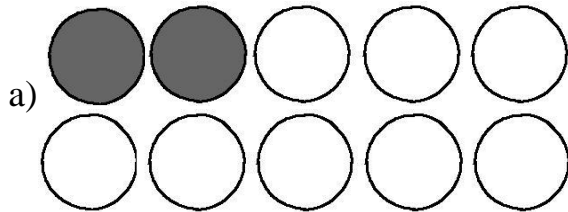


8.) Which picture below has the same fractional part shaded as the picture above?





9.) Which picture below has the same fractional part shaded as the picture above?



Order, Magnitude, and Rounding of Numbers

10.) The table below shows games won by the players in a tournament.

CHECKERS TOURNAMENT

Players	Games Won
Eric	162
Mark	97
Jeff	184
Zach	76

What is the correct order of games won by the players from **LEAST** to **GREATEST**?

- a) Zach, Mark, Eric, Jeff
- b) Eric, Zach, Jeff, Mark
- c) Jeff, Eric, Mark, Zach
- d) Mark, Jeff, Eric, Zach

11.) The table below shows the speeds of four animals.

SPEEDS OF ANIMALS

Animal	Speed (mph)
Cheetah	70
Elk	45
Pronghorn	60
Lion	50

What is the correct order of speed of the animals from **GREATEST** to **LEAST**?

- a) cheetah, lion, elk, pronghorn
- b) cheetah, pronghorn, lion, elk
- c) cheetah, elk, pronghorn, lion
- d) elk, lion, pronghorn, cheetah

12.) The table below shows the number of miles four travelers have flown.

TRAVELER'S MILES

Name	Number of Miles
Harlan	5,875
Missy	4,083
Tamika	6,172
Randy	8,497

Who has flown the **LEAST** miles?

- a) Harlan
- b) Missy
- c) Tamika
- d) Randy

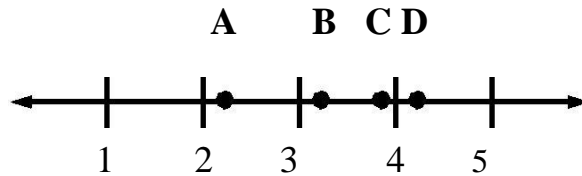
13.) There are 807 students at Jaclyn's school. This number is **CLOSEST** to:

- a) 600
- b) 700
- c) 800
- d) 900

14.) A television set costs \$248. This number is **CLOSEST** to:

- a) \$250
- b) \$275
- c) \$300
- d) \$350

15.) On the number line below, the number 3.2 is **CLOSEST** to which labeled point?



- a) A
- b) B
- c) C
- d) D

Models for Operations

16.) There are 2 cupcakes in a package. Mrs. Carroll bought 4 packages. Which number sentence could be used to find out how many cupcakes she bought?

a) $4 \div 2 = \square$

b) $4 + 2 = \square$

c) $4 \times 2 = \square$

d) $4 - 2 = \square$

17.) Jennifer has 24 crayons. She needs to put her crayons in boxes. Each box holds 8 crayons. Which number sentence could be used to find out how many boxes Jennifer will need?

a) $24 \div 8 = \square$

b) $24 \times 8 = \square$

c) $24 - 8 = \square$

d) $24 + 8 = \square$

18.) Write a story problem that can be solved using the number sentence $8 \times 6 = n$

Basic Facts

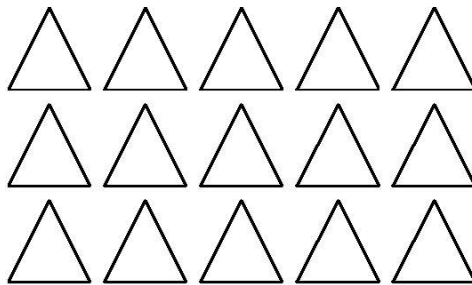
19.) Solve this problem: $5 \times 9 =$

- a) 30
- b) 40
- c) 45
- d) 55

20.) Solve this problem: $36 \div 9 =$

- a) 4
- b) 6
- c) 9
- d) 12

21.)



Which number sentence describes the triangles above?

- a) $3 + 5 = \square$
- b) $3 \times 5 = \square$
- c) $5 \div 3 = \square$
- d) $5 - 3 = \square$

Computation with Whole Numbers and Decimals
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22.) Solve this problem: $48 - 29 = \underline{\hspace{2cm}}$

23.) Solve this problem: $\$3.78 + \$4.69 = \underline{\hspace{2cm}}$

24.) Solve this problem: $35 + 42.25 = \underline{\hspace{2cm}}$

25.) Solve this problem: $1,225 - 610 = \underline{\hspace{2cm}}$

Solve Word Problems

26.) The 56 students in the fifth grade were divided into 8 teams. Charlotte was on Team 5. How many students were on each team?

- a) 7
- b) 8
- c) 40
- d) 56

27.) Martin spent \$2.60 on his lunch. Sandwiches cost \$1.25. Milkshakes cost \$0.65. How much **MORE** does a sandwich cost than a milkshake?

28.) Sue-Lee scored 93 points on a science test on Monday and 77 points on a science test on Friday. What was the difference between her two scores?

29.) Tamara read 197 pages of a library book on the weekend and 129 pages during the week. How many pages did she read altogether?

Estimating Solutions to Problems

30.) Today Pamela is on page 195. For tomorrow's assignment she must read to page 237. **ABOUT** how many pages does she have left to read?

- a) 30
- b) 40
- c) 50
- d) 500

31.) Toni had \$7.95. She spent \$3.15. **ABOUT** how much money does she have left?

- a) \$3.00
- b) \$5.00
- c) \$12.00
- d) \$400.00

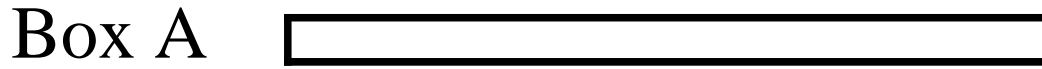
Time

32.) The Judds started working in the garden at 1:50. They worked for 2 hours and 15 minutes. At what time did they stop working?

- a) 4:05
- b) 3:05
- c) 2:25
- d) 11:35

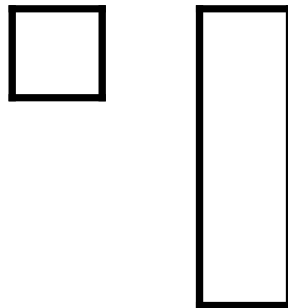
Approximating Measures

33.) If Box A is 4 units long, **ABOUT** how long is Box B?



- a) 5 units
- b) 3 units
- c) 2 units
- d) 1 unit

34.) If the first shape covers an area of 12 square feet, **ABOUT** how many square feet would the second shape cover?



- a) 9 square feet
- b) 36 square feet
- c) 72 square feet
- d) 108 square feet

Customary and Metric Measures

35.) Use your ruler to determine which of the figures below has a perimeter of 14 centimeters.

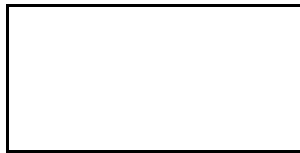
a)



b)



c)



d)



36.) The amount of milk in a glass would **BEST** be measured in

- a) ounces
- b) gallons
- c) quarts
- d) pounds

37.) Many students in Maple School walk to school. Which is a **REASONABLE** distance to walk to school?

- a) 2 meters
- b) 2 kilometers
- c) 2 centimeters
- d) 2 liters

Geometric Shapes and Properties
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38.) Draw a pentagon. Then write one or two sentences to describe this figure.

39.) Draw a parallelogram. Then write one or two sentences to describe this figure.

Tables, Graphs, and Charts

40.) The chart below shows the popularity of amusement park rides during one day.

AMUSEMENT PARK RIDES

Ride	Number of Riders
Merry-Go-Round	460
Roller Coaster	842
Ferris Wheel	891
Bumper Cars	967

ABOUT how many people rode the Bumper Cars?

- a) 500
- b) 600
- c) 900
- d) 1,000

41.) Complete and label the **PICTOGRAPH** using the following information.

SAM'S T-SHIRTS

Color	Number of Shirts
Red	20
Blue	12
Green	8
White	16



Patterns

42.) What is the next number in this pattern?

8, 12, 16, 20, 24, 28, _____

Write a sentence to explain why you chose this number.

43.) Draw the figure that should come next in the pattern. Write a sentence to explain how you decided what to draw.



Classification and Logical Reasoning

44.) Tom made a list of the height of several friends. He wants to change this list into 2 new lists:

- friends taller than 56 inches
- friends shorter than 56 inches

Write the new lists for Tom.

Tom's New Lists

<u>Tom's Original List</u>	<u>Shorter than 56 inches</u>	<u>Taller than 56 inches</u>
Janet 55 inches		
Rhea 60 inches		
June 48 inches		
Carolyn 59 inches		
Felicia 49 inches		
Elise 63 inches		
Ginny 48 inches		
Jack 53 inches		
Brian 57 inches		
Howard 47 inches		
Ann 59 inches		

45.) Sort all 8 of these activities into 2 groups so that the activities in each group have something in common. Show how you grouped these activities by writing its name in the chart. Write a sentence that explains why you grouped them this way.

- playing tag
- playing Nintendo
- playing Monopoly
- walking the dog
- playing soccer
- eating dinner
- sleeping
- reading

Group 1	Group 2

Describe your rule for sorting here.

46.) Nuts To Crunch sells nuts at local stores and on-line. The table shows the prices of nuts from each source.



Nuts To Crunch



Nut	Price (per pound)	
	On-line	Local Store
Peanuts	\$0.99	\$1.49
Almonds	\$4.59	\$4.99
Pistachios	\$2.98	\$3.98
Mixed Nuts	\$2.49	\$3.29

Josh has a \$ 40.00 gift certificate to use at Nuts To Crunch. If he orders nuts on-line, there is a \$7.00 delivery charge. On-line he can also use a coupon for \$5.00 off any purchase over \$10.00.

Josh wants to buy 8 lbs. of peanuts and 5 lbs. of almonds. Should he buy the nuts on-line or at his local store? _____ (You may use a calculator.)

Why or why not? _____

Show your work in the space below.

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