

Lakeview Christian Academy
Summer Math Packet
For Students Entering Grade 4

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.**

1. On Monday, the doughnut shop sold 54 cups of coffee before noon and 10 more cups of coffee after noon. How many cups of coffee did the doughnut shop sell on Monday?

- a. 44
- b. 54
- c. 64
- d. 59

2. There were 47 people at last night's concert. We expect 10 fewer people to come tonight. How many people do we expect to come tonight?

- a. 47
- b. 37
- c. 57
- d. 27

Place Value

Identify alternative forms of expressing whole numbers using expanded notation.

3. Which means the same as $400 + 20 + 3$?

- a. 40,203
- b. 400,203
- c. 4,023
- d. 423

4. Which means the same as 525?

- a. $500 + 200 + 50$
- b. $500 + 20 + 5$
- c. $50 + 20 + 5$
- d. $500 + 20 + 50$

Place Value

Identify alternative forms of expressing whole numbers using regrouping.

5. Which means the same as 4 tens + 14 ones?

- a. 44
- b. 414
- c. 54
- d. 4014

6. Which means the same as 6 hundreds + 7 tens + 13 ones?

- a. 673
- b. 671
- c. 683
- d. 613

7. In which number does the 4 have the GREATEST value?

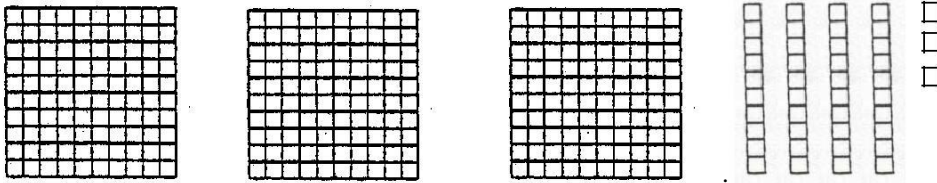
- a. 5364
- b. 4635
- c. 6435
- d. 3645

8. In which number does the 6 have the LEAST value?

- a. 9628
- b. 2986
- c. 8962
- d. 6289

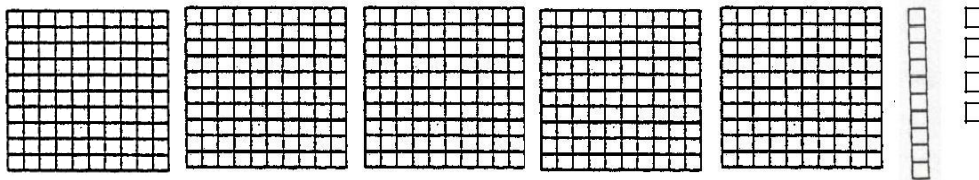
Relate pictorial representations using base ten blocks to whole numbers and vice versa.

9.



- a. 334
- b. 443
- c. 1,343
- d. 343

10.



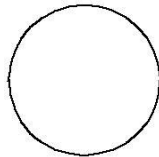
- a. 514
- b. 541
- c. 5,514
- d. 414

11. What fraction of the group is shaded?



- a. $\frac{1}{2}$
- b. $\frac{2}{3}$
- c. $\frac{3}{2}$
- d. $\frac{2}{5}$

12. Shade $\frac{1}{4}$ of the circle.



13. Which list shows the numbers in order from LEAST to GREATEST?

- a. 53, 63, 54, 62
- b. 54, 53, 62, 63
- c. 53, 54, 62, 63
- d. 53, 63, 54, 62

14. Which group of numbers is in order from LEAST to GREATEST?

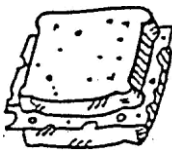
- a. 71, 17, 45, 21
- b. 35, 52, 71, 18
- c. 29, 36, 72, 81
- d. 41, 14, 54, 65

Order, Magnitude and Rounding of Numbers

Describe the magnitude of whole numbers.

15. Tammy has \$3.00 to spend for lunch. Which item costs more than she wants to spend?

Cheese
Sandwich



a. \$3.00

Tuna
Sandwich



b. \$3.75

Milk



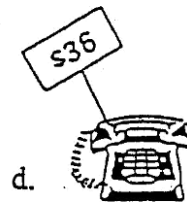
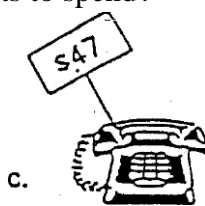
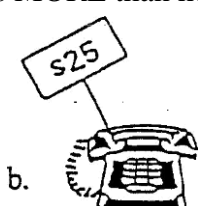
c. \$.75

Apple
Juice



d. \$.80

16. Mark wants to buy a new telephone for his office. He does not want to spend more than \$55. Which phone costs MORE than he wants to spend?



Order, Magnitude and Rounding of Numbers

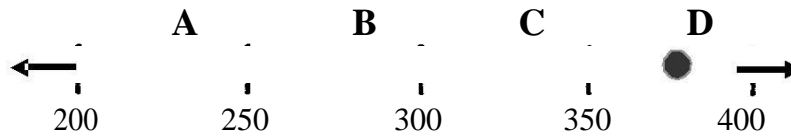
Round whole numbers in context.

17. Beth read 18 books last summer. This number is CLOSEST to

- a. 10
- b. 15
- c. 20
- d. 25

18. Cleo and Roger rented video tapes for \$19 and spent \$28 to buy cassette tapes. ABOUT how much did they spend?

- a. \$30
- b. \$40
- c. \$50
- d. \$60



19. The number 265 would be CLOSEST to which letter above the number line?

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

20. Complete a number line:



Draw and label a point on the number line that represents 325.

Models for Operations

Relate multiplication and division facts to rectangular arrays and pictures.

21. Which multiplication fact is represented by this array?



- a. 2×2
- b. 8×1
- c. 2×4
- d. 4×4

22. Which division fact is represented by this picture of silver maple leaves?



- a. $6 \div 3 = 2$
- b. $18 \div 6 = 3$
- c. $6 \div 2 = 3$
- d. $18 \div 3 = 6$

Models for Operations

Identify the appropriate operation or number sentence to solve a story problem.

23. Martha had 6 plants in her front yard and 4 plants in her backyard. Which number sentence could be used to find out how many plants Martha had all together?

a. $6 \times 4 =$

b. $6 - 4 =$

c. $6 + 4 =$

d. $6 \div 4 =$

24. There are 4 plates that each have 5 cookies on them. Which equation will tell you how many cookies there are in all?

a. $4 + 5$

b. $4 \div 5$

c. $5 + 4$

d. 4×5

Models for Operations

Write story problems for addition and subtraction number sentences.

25. Write a story problem that can be solved using the number sentence

$9 + 6 =$

26. Write a story problem that can be solved using the number sentence

$17 - 9 =$

Basic Facts

27. $17 - 8 =$ _____

28. $5 + 12 =$ _____

29. $40 \div 5 =$ _____

30. $10 \times 6 =$ _____

Computation with Whole Numbers and Decimals

31.
$$\begin{array}{r} 95 \\ - 62 \\ \hline \end{array}$$

32.
$$\begin{array}{r} 52 \\ +27 \\ \hline \end{array}$$

33.
$$\begin{array}{r} 54 \\ +27 \\ \hline \end{array}$$

34.
$$\begin{array}{r} 87 \\ + 5 \\ \hline \end{array}$$

35. The Davidson's went on a 300-mile boat trip. On the first day they traveled 65 miles. On the second day of their trip they went 35 miles. How many miles did they travel on these 2 days?

- a. 30
- b. 35
- c. 100
- d. 400

36. A paint store ordered an extra 125 cans of paint for a sale. On Monday they sold 31 cans of paint. On Tuesday, 53 cans of paint were sold. How many more cans of paint were sold on Tuesday than on Monday?

- a. 93
- b. 22
- c. 84
- d. 24

Solve simple problems involving addition or subtraction with extraneous information.

37. Emily scored 413 points on a video game. Mallory's score was 118 and Laura's score was 215. Show how to find the difference between Laura's score and Emily's score.

- a. $413 + 215$
- b. $118 + 215$
- c. $413 + 118$
- d. $413 - 215$

38. At the Osborn Hill School Carnival Amanda collected 36 tickets and Julie collected 61 tickets. Show how to find the sum of Amanda's and Julie's tickets.

- a. $61 - 36$
- b. $36 + 61$
- c. $36 + 44$
- d. $97 + 44$

39. Gregory needs to add 395 to 789. Which of the following would be the BEST for Gregory to use to ESTIMATE the sum?

- a. $400 + 700$
- b. $400 + 800$
- c. $300 + 800$
- d. $300 + 700$

40. Buzz needs to subtract 446 from 875. Which of the following would be the BEST for Buzz to use to ESTIMATE the difference?

- a. $800 - 400$
- b. $800 - 500$
- c. $900 - 400$
- d. $900 - 500$

41. Tarzan and Jane rented video tapes for \$9 and spent \$17 to buy cassette tapes. ABOUT how much did they spend?

- a. a little less than \$20
- b. a little more than \$20
- c. a little less than \$30
- d. a little more than \$30

42. Dr. Judy had \$80 before she spent \$39.75 for a necklace. ABOUT how much money did she have left?

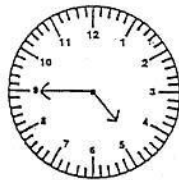
- a. a little less than \$30
- b. a little more than \$30
- c. a little less than \$40
- d. a little more than \$40

Time

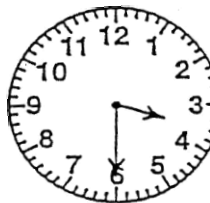
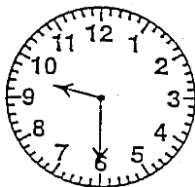
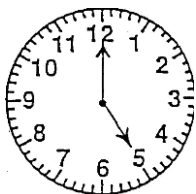
Tell time to the nearest hour, half-hour, and quarter-hour using analog and digital clocks.

43. When Jo looked at her watch it showed the time below. What time did it show?

- a. 4:00
- b. 4:25
- c. 4:30
- d. 4:45



44. June went to the beach at half past 3. Which clock shows this time?



45.

July

Sun	Mon	Tues	Wed	Thur	Fri	Sat
				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	

Justine got her allowance on the 4th day of this month. What day was that?

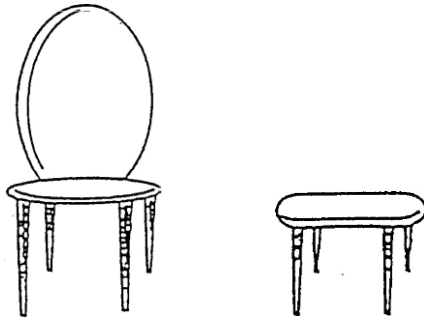
- a. Monday
- b. Wednesday
- c. Saturday
- d. Sunday

46. The clock says 9:15. What time will it be in a half hour?

- a. 9:45
- b. 9:30
- c. 10:15
- d. 10:00

Approximating Measures - Estimate lengths and areas.

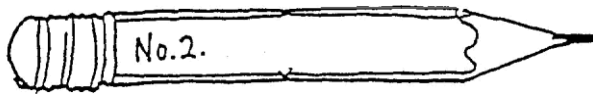
47.



ABOUT how many footstools would be the same height as the chair?

- a. 1
- b. 3
- c. 4
- d. 5

48.



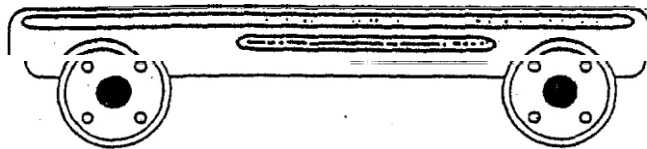
ABOUT how many paperclips would be the same length as the pencil?

- a. 1
- b. 2
- c. 3
- d. 4

Customary and Metric Measures

Measure or draw lengths to the nearest inch or centimeter.

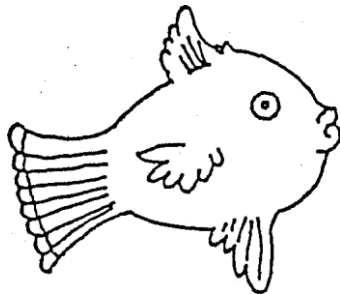
49.



Use your ruler to measure the length of the wagon in this picture to the NEAREST centimeter.

- a. 5 centimeters
- b. 8 centimeters
- c. 12 centimeters
- d. 15 centimeters

50.



Use your ruler to measure the length of the fish in this picture to the NEAREST centimeter.

- a. 2 centimeters
- b. 3 centimeters
- c. 4 centimeters
- d. 6 centimeters

Customary and Metric Measure

Identify appropriate customary or metric units of measure for a given situation.

51. ABOUT how long is a new pencil?

- a. 7 inches
- b. 7 feet
- c. 7 years
- d. 7 miles

52. ABOUT how wide is your finger?

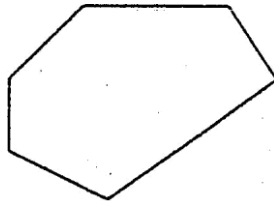
- a. 1 gram
- b. 1 centimeter
- c. 1 meter
- d. 1 kilometer

Geometric Shapes and Properties

Identify geometric shapes and figures including number of angles and sides of polygons.

53. How many angles does this shape have?

- a. 4
- b. 5
- c. 6
- d. 7



54. What is the name of a geometric figure with 5 sides?

- a. pentagon
- b. square
- c. quadrilateral
- d. hexagon

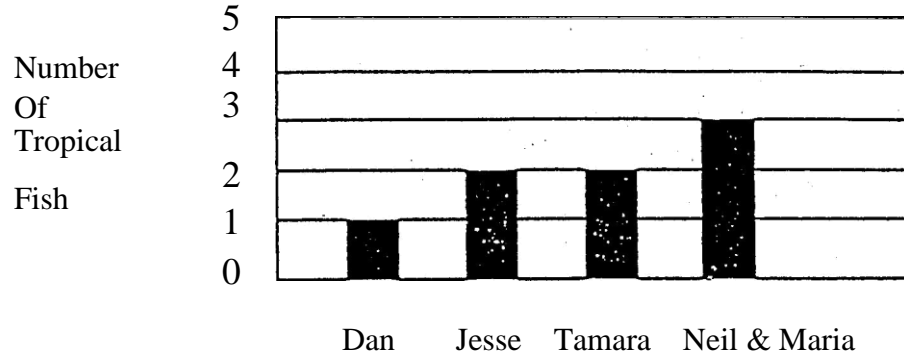
Geometric Shapes and Properties

Draw geometric shapes and figures.

55. Draw a trapezoid

56. Draw a Rectangle

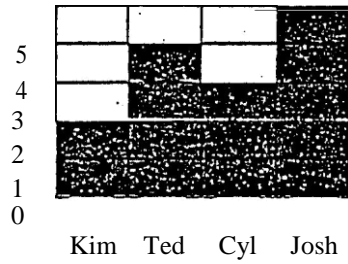
57. The graph below shows how many tropical fish are in Dan, Jesse, Tamara, Neil and Maria's aquarium.



How many fish are there total?

- a. 2
- b. 4
- c. 8
- d. 12

58.



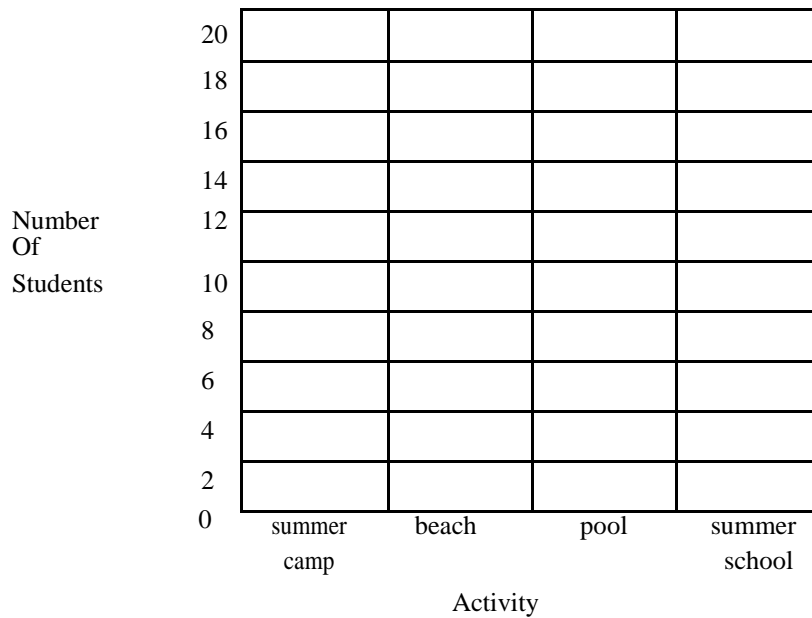
Altogether, how many points do Cyl, Josh, and Ted have?

- a. 4
- b. 8
- c. 12
- d. 14

59. The table shows places students went over a summer vacation.

Places	Number of Students
Summer camp	5
Beach	13
Pool	15
Summer school	4

Complete the BAR graph to show the same information.

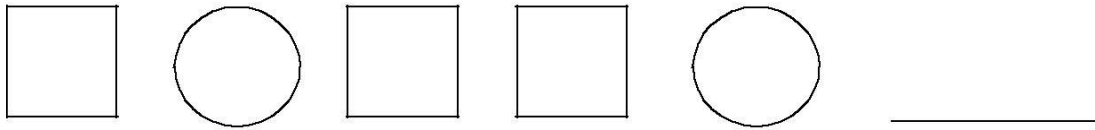


60. Draw a bar graph using the following information.

Money Earned Babysitting	
Name	Amount of Money
Jan	\$12
Ginny	\$6
June	\$8
Nan	\$14
Carole	\$6



61. Draw a figure that goes in the empty space. Write a sentence to explain your answer.

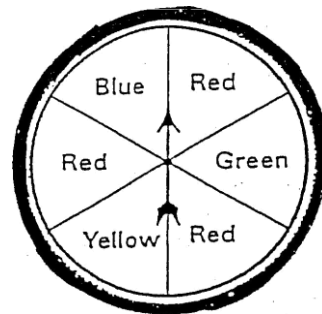


62. What is the next number in your pattern? Write the number. Then write a sentence that explains why you wrote that number.

61, 59, 57, 55, _____

63. If Robin spins this spinner once, on which color is the arrow MOST likely to land?

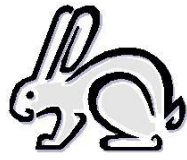
- a. Red
- b. Blue
- c. Green
- d. Yellow



64. There were 12 red, 15 yellow and 7 green candies in a dish. If Johnny chooses one piece without looking, which color of candy is LEAST likely to be picked?

- a. red
- b. yellow
- c. green
- d. red or yellow

65.



rabbit



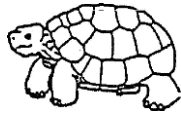
parakeet



dog



canary



turtle



toad



cat

Sort the animals into 2 groups so that each group has something in common. Explain how you decided to group the animals.

66. Sort these figures into 2 groups so that the figures in each group have something in common. Then explain how you decided to group the figures.



67. Billy had 3 quarters, 3 dimes, 4 nickels and 3 pennies. How much money does Billy have?

If Billy went to the store and bought something for 67 cents, what coins should he give the cashier to give her the fewest number of coins?

What could be another way he could he could give the cashier 67 cents NOT using the fewest number of coins?

68. Answer

$7 \times 2 = \underline{\hspace{2cm}}$

$3 \times 4 = \underline{\hspace{2cm}}$

$5 \times 5 = \underline{\hspace{2cm}}$

$4 \times 0 = \underline{\hspace{2cm}}$

$9 \times 2 = \underline{\hspace{2cm}}$

$1 \times 8 = \underline{\hspace{2cm}}$

$6 \times 3 = \underline{\hspace{2cm}}$

$4 \times 6 = \underline{\hspace{2cm}}$

$7 \times 6 = \underline{\hspace{2cm}}$

$9 \times 0 = \underline{\hspace{2cm}}$

$6 \times 1 = \underline{\hspace{2cm}}$

$3 \times 5 = \underline{\hspace{2cm}}$