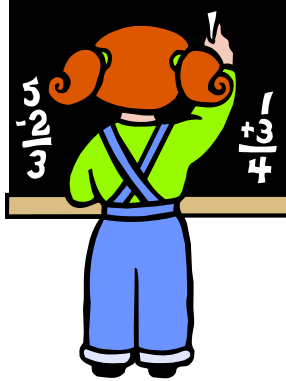


Summer Math Enrichment

(For Incoming 4th Grade Students)

Please return by September



Name _____

1. Find the exact answer: 80×61

- 19
- 141
- 4,880
- 8,061

2. Estimate $324 - 196$. The difference is between what numbers?

- 100 and 200
- 300 and 400
- 500 and 600
- 900 and 1,000

3. Find the exact answer:
 $2 + 957 + 38$.

- 1,537
- 1,095
- 1,892
- 997

4. Estimate $564 \div 3$. The quotient is between what numbers?

- 18 and 19
- 110 and 150
- 160 and 200
- 200 and 240

5. Find the exact answer: 72

X 12

- 6
- 60

- 84
- 864

6. Find the exact answer: $781 + 3 + 65$.

- 713
- 849
- 1,731
- 2,343

7. Find the exact answer: $92 \div 4$

- 368
- 96
- 88
- 23

8. Estimate $118 + 39$. The sum is between what numbers?

- 40 and 120
- 100 and 130
- 130 and 140
- 140 and 160

9. Hunter has ten shirts in his dresser.

- Four are brown.
- Three are striped.
- Two are blue.
- One is green.

What are the chances that he will pull out a striped shirt from his dresser?

- 5 out of 10
- 4 out of 10
- 3 out of 10
- 1 out of 10

- Flip
- Turn and slide
- Slide
- Flip and slide

10. What number should go in each shape to make both of the following sentences true?

$$\text{○} \times \text{○} = 25$$

$$\text{○} + \square = 15$$

- $\text{○} = 2$ $\square = 7$
- $\text{○} = 5$ $\square = 5$
- $\text{○} = 5$ $\square = 10$
- $\text{○} = 20$ $\square = 5$

11. Roberta and Harry both have seashell collections. Roberta's collection is 3 times as big as Harry's. Harry has 7 seashells. How many shells does Roberta have?

- 10 shells
- 19 shells
- 21 shells
- 24 shells

12. Look at the following figures. What must you do to the figure on the left to create the figure on the right?



13. The fourth-grade class at Brooklake elementary School collected food for the hungry. What is the mean (average) number of items collected in each category?

BROOKLAKE ELEMENTARY STUDENT COLLECTIONS	
TYPE OF FOOD	ITEMS COLLECTED
Cereal	19
Crackers	15
Fruit	15
Pasta	10
Soup	41
Tuna	8
Vegetables	11

- 10 items
- 15 items
- 17 items
- 119 items

14. Which sign should go in the box to make the statement below true?

$$\frac{3}{4} \text{ is } \square \frac{2}{3}$$

- <
- >
- =

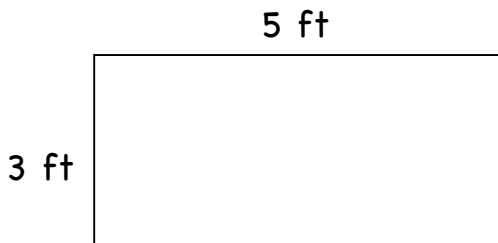
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15. Which number belongs in the box to make the number sentence below true?

$$(4 + 3) + (6 \times 2) = 7 + \square$$

- 4
- 8
- 12
- 19

16. Arturo has a garden that is 5 feet long and 3 feet wide. What is the area of his garden?



- 15 ft. sq.
- 16 ft. sq.
- 30 ft. sq.
- 225 ft. sq.

17. Mr. Kim has 129 tennis balls. Mrs. Fleischmann has 281 tennis balls. Estimate the total number of tennis balls that the players have altogether. Round to the nearest hundred.

- About 300 balls
- About 400 balls
- About 500 balls
- About 600 balls

18. If this pattern continues, what is the next number?

3, 6, 9, 12, ...

- 14
- 15
- 19
- 21

19. Mark wants to measure the weight of his gerbil. Which of the following tools should he use?

- Ruler
- Scale
- Thermometer
- Folder paper

20. The chart below shows the number of classes the Florham Park Community Center has offered in the last five years.

CLASSES OFFERED AT FLORHAM PARK COMMUNITY CENTER	
YEAR	# OF CLASSES
1	35
2	40
3	50
4	65
5	80

Use the information from the chart to create a line graph to show the number of classes

offered from Year 1 through Year 5. Be sure to label all parts and give the graph a title.

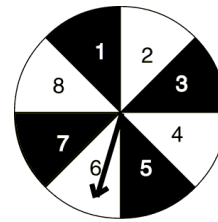
WORK AREA FOR QUESTION #20

which they use to buy items.
A notebook costs 3 shells, or
18 rocks. If a folder costs 36
rocks, how much does it cost in
shells?

- 18 shells
- 12 shells
- 9 shells
- 6 shells

27. This is a spinner from a
board game that Mark and
Tina are playing. What are

the odds that the arrow will
land on white?



- 4 out of 8
- 3 out of 4
- 1 out of 12
- 4 out of 6

28. Ms. Lim took the neighborhood children to a baseball game.

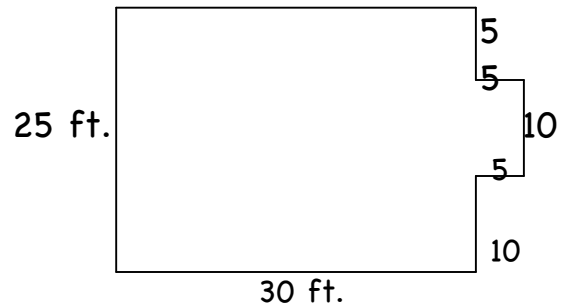
- She spent a total of \$64.00 on tickets and hot dogs. She bought 5 tickets that were \$10.00 each. Determine how much she spent on hot dogs.
- Later, Ms. Lim bought 4 sodas for \$1.55 each, 2 bags of peanuts for \$1.50 each, and 2 bags of popcorn for \$2.00 each. Determine how much money Ms. Lim spent on sodas, peanuts, and popcorn.
- Show all your work and explain your answer.

WORK SPACE FOR #28

29. Gabriel wants to rent a room in a restaurant for his grandfather's surprise party. The floor plan for the banquet room is shown.

BANQUET ROOM FLOOR
PLAN

- Determine the area of the room.



- Gabriel wants to invite 60 people to the party. The restaurant manager tells him he can have 1 person per 16 square feet. Explain whether or not the room is big enough to hold his party.

30. Yoon fills up an aquarium that is 1 foot x 1 foot x 1 foot. Shawn fills up an aquarium that is 2 feet x 2 feet x 2 feet. How much more water can Shawn's aquarium hold?


- Shawn's aquarium can hold twice as much as Yoon's.
- Shawn's aquarium can hold 4 times as much as Yoon's.
- Shawn's aquarium can hold 5 times as much as Yoon's.
- Shawn's aquarium can hold 8 times as much as Yoon's.

31. Henrietta goes to the beach carrying a \$10.00 bill. She buys peanuts for \$2.65, a bottle of juice for \$1.43, and a bracelet for \$2.99. Round her purchases to the nearest dollar, and estimate how much money she has left.

- \$2.00
- \$3.00
- \$4.00
- \$5.00

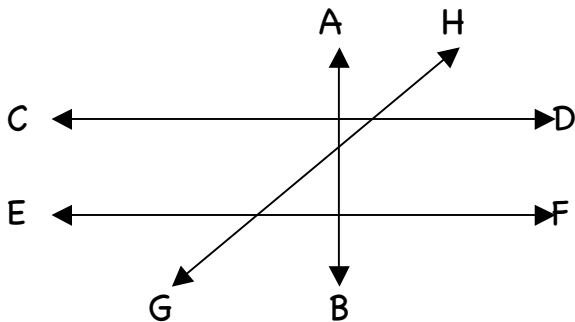
32. A plane takes 1 hour and 10 minutes to fly from Boston, Massachusetts, to New York City, New York. If the plane leaves Boston at 8:30 A.M., what time does it arrive in New York City?

- 9:10 A.M.
- 9:20 A.M.
- 9:30 A.M.
- 9:40 A.M.

33. The freezing point on a Fahrenheit thermometer is 32 degrees. The temperature in Minnesota is 25 degrees F. How many degrees below freezing is the temperature? 

- 57 degrees
- 32 degrees
- 25 degrees
- 7 degrees

34. Which of the following lines appear to be perpendicular?



- Line CD and line EF
- Line CD and line GH
- Line AB and line CD
- Line EF and line GH

35. Saba is picking out outfits for a trip. She has 1 red shirt and 1 blue shirt. She also has 1 white skirt and 1 gray skirt.

- What different combinations of shirt and skirt can she make? Create a chart or diagram to show your answer.
- She also has a pair of loafers and a pair of sneakers. What different combinations of shirt, skirt, and shoes can she make? Create a chart or diagram to show your answer.

WORK SPACE FOR #35

36. Write four different number sentences that follow these rules:

- Each number sentence must show a different way of getting the number 27.
- Each number sentence must contain at least two different operations.
- One number sentence must use all four of the operations.

WORK SPACE FOR #36