



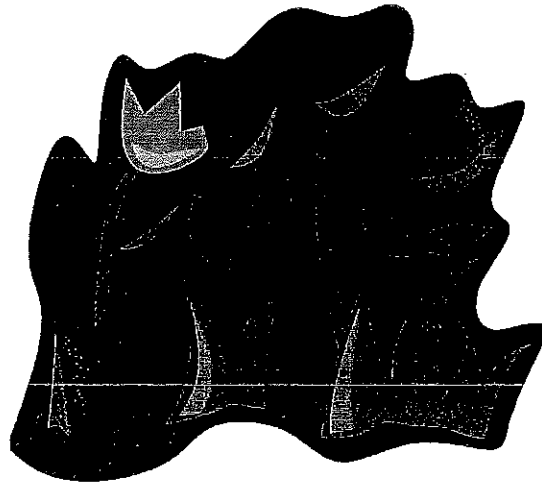
**BRIDGEPREP
ACADEMY**

A Bilingual Academy for Learning
"Where Learning is a Journey!"

SPRING BREAK PACKET

Elementary Mathematics

Grade 4



NAME: _____

TEACHER: _____

FOURTH GRADE SPRING BREAK HOMEWORK

Mathematics

DIRECTIONS

Complete each activity in the Spring Break Packet. Write your responses in the spaces provided.

Students are to return the completed packet to their teacher on March 30, 2015. The activities may be counted as part of the homework grade for the fourth quarter.

Parents are encouraged to assist in the following ways:

- Make a plan to complete the activities during the Spring Break.
- Provide a quiet space and time for your child to work on the homework.
- Help your child with the directions and completing the activities.
- Review and discuss your child's responses. Provide positive feedback and praise for sincere effort and independence.
- Encourage fact practice and assist as needed.

Thank you for helping your child succeeds!

Getting Ready for FSA – Grade 4

Name: _____

Date: _____

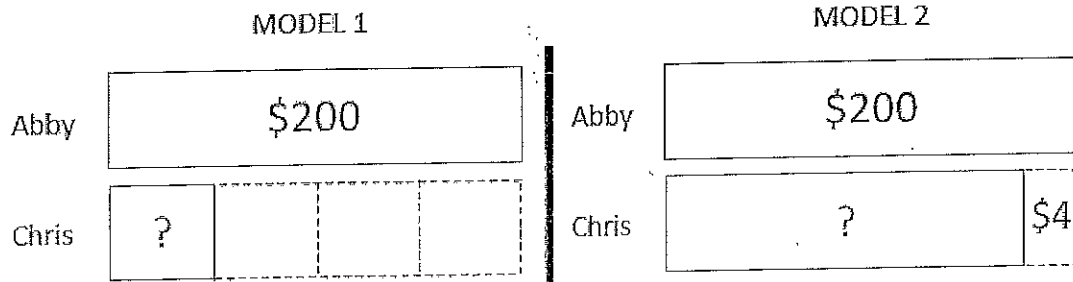
MAFS.4.OA.1.1

1. Write a multiplication equation to match each comparison statement.

comparison statement	multiplication equation
21 days is 3 times longer than 7 days.	
8 pounds is 4 times as heavy as 2 pounds.	
72 inches is 12 times the length of 6 inches.	
30 fish is 5 times as many as 6 fish.	

2. Abby and her friend Chris each ran a lemonade stand on their streets. Abby lives on a busy street, but Chris does not. When Abby and Chris compared what they had earned, Chris said, "Wow! You made \$200! That's 4 times as much as I earned!" This made Abby wonder how much Chris earned.

Look at the two models below that Abby drew to figure out how much Chris earned.



Which model best represents the relationship between Abby and Chris's earnings?

Choose the correct answer

- A. model 1
- B. model 2

Getting Ready for FSA – Grade 4

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MAFS.4.OA.1.2

3. Two boys ran around a track that is 400 meters long. Miguel ran around the track three times in 240 seconds. Joseph ran around the track three times in 200 seconds. What was the difference between the speeds of the two boys?

- A. 1 meter per second
- B. 5 meters per second
- C. 6 meters per second
- D. 11 meters per second

4. Coach Cameron ordered baseballs and basketballs for the school. He ordered 45 baseballs. He ordered five times as many baseballs as basketballs.

What was the total number of basketballs he ordered?

- A. 50
- B. 180
- C. 205
- D. 225

Name: _____

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MAFS.4.OA.1.3

5. The 4th grade class at Kendall Elementary School is going on their annual art field trip to the Miami Museum of Science. The teachers reserved two buses to take the 123 students to the museum. Each bus has 32 seats that can hold up to three students per seat. Will the students need to sit in groups of 3 in each seat or can they have more room and only sit with a partner?

6. Jose was turning 10 years old and his mother was planning a birthday party for him. Jose invited 8 friends from his class. His mom was making her famous double chocolate chip cookies and she wanted every child to have an equal amount of cookies. She baked 30 cookies. How many cookies will each child receive?

Choose the correct equation with a letter standing for the unknown quantity.

- A. $30 \div 8 = n$
- B. $30 \div 9 = n$
- C. $30 \times 9 = n$
- D. $30 \times 8 = n$

Getting Ready for FSA – Grade 4

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MAFS.4.OA.2.4

7. Leon's clues about a number are shown in the box below.

- | |
|--|
| <ul style="list-style-type: none">* It is greater than 35 but less than 55.* It is a multiple of 8. |
|--|

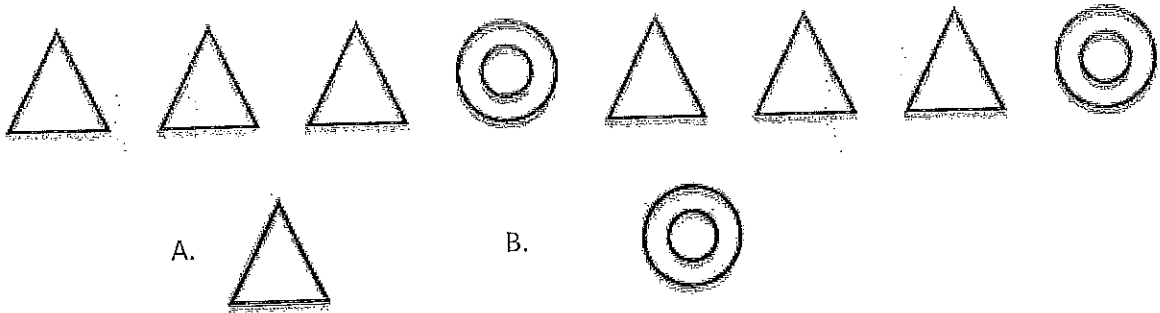
Write a number that matches both of Leon's clues.

8. Which number is a prime number?

- A. 51
- B. 27
- C. 17
- D. 12

MAFS.4.OA.3.5

9. The manager at a supermarket arranged 10 rows of cans. He put 2 cans in the first row, 4 cans in the second row, and 6 cans in the third row. The manager continued to add 2 cans to each new row.
- a. How many cans did the manager put in the fifth row? Show or explain how you got your answer.
 - b. What is the total number of cans the manager arranged in all 10 of the rows? Show or explain how you got your answer.
 - c. Describe the relationship between the row number and the number of cans in the row.
10. What shape is the 20th step of this pattern?



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MAFS.4.NBT.1.1

11. Consider Jake and Riley's numbers:

Jake's number 45,932

Riley's number 24,395

Circle the letter(s) of the true statement(s).

- A. The 3 in Jake's number has 10 times the value of the 3 in Riley's number.
- B. The 9 in Jake's number has 10 times the value of the 9 in Riley's number.
- C. The 4 in Jake's number has 10 times the value of the 4 in Riley's number.

12. Tom wrote the number 45,378. Bill wrote the number 36,721.

How many times greater is the 7 in Bill's number than the 7 in Tom's number?

MAFS.4.NBT.1.2

13. The table below shows the costs of four properties for sale.

Property	Cost (dollars)
1	139,900
2	400,500
3	336,820
4	59,200

Which of the following statements are true?

- A. The value of property 1 is higher than the value of property 4.
 - B. The value of property 2 is smaller than the value of property 3.
 - C. The value of property 4 is the smallest one.
 - D. The value of property 3 is the highest one.
 - E. The value of property 2 is higher than the value of property 3.
14. Frankie's Burger Hut served 3,347 burgers on Wednesday and 3,098 burgers on Thursday.
Write $<$, $>$, or $=$ to complete the expression below.

3,347 _____ 3,098

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MAFS.4.NBT.1.3

15. When rounded to the nearest thousand, an elephant's weight is 5,000 pounds. What is the least amount that the elephant could weigh?
- A. 5,275 pounds
 - B. 5,150 pounds
 - C. 4,785 pounds
 - D. 4,540 pounds
16. Jessica is thinking of a number that rounds to 1,400 for the nearest ten and for the nearest hundred. What number might she be thinking of?

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MAFS.4.NBT.2.4

17. Find the difference.

$$6,241 - 1,360 = \underline{\hspace{2cm}}$$

- A. 4,881
- B. 4,891
- C. 4,981
- D. 5,891

18. Which number makes this sentence true?

$$8,908 - \underline{\hspace{2cm}} = 5,529$$

- A. 2,379
- B. 3,379
- C. 3,421
- D. 3,481

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MAFS.4.NBT.2.5

19. Select all the expressions that have a product of 420.

35×12

$(3 \times 5) \times (10 \times 2)$

$(40 \times 10) \times (2 \times 4)$

40×20

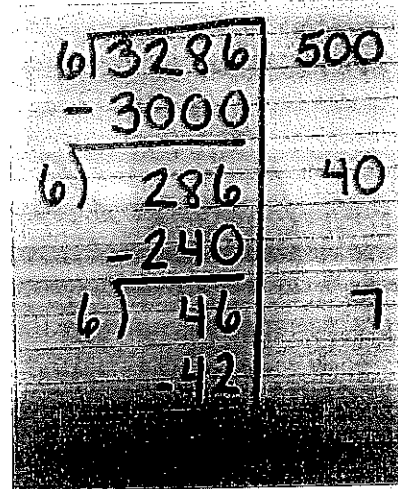
14×30

20. Find the product of 2,835 and 3.

MAFS.4.NBT.2.6

21. Daniel solved the following problem as shown. Do you agree with his work? Explain.

$$3,286 \div 6 = n$$



22. Select all the expressions that have a value of 25.

$500 \div 5$

$600 \div 3$

$100 \div 4$

$150 \div 5$

$200 \div 8$

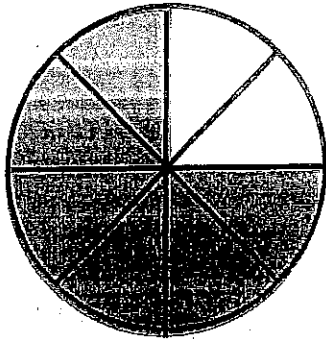
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MAFS.4.NF.1.1

23. Look at the model. Name three equivalent fractions for the part that is shaded.



24. Mrs. Perry asked her class to write fractions on their whiteboards that were equivalent to $\frac{6}{9}$. Tell if each student's fraction is equivalent to Mrs. Perry's fraction.

Gloria: $\frac{3}{4}$	CIRCLE ONE <input type="radio"/> Yes <input type="radio"/> No
Isaiah: $\frac{2}{3}$	CIRCLE ONE <input type="radio"/> Yes <input type="radio"/> No
Thomas: $\frac{4}{8}$	CIRCLE ONE <input type="radio"/> Yes <input type="radio"/> No

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MAFS.4.NF.1.2

25. Amy, Beth, Katie, Gretchen, and Deb love chocolate. One afternoon, they each had a large chocolate bar. Each chocolate bar was the same size. They argued about who ate the most chocolate.

Here is what each girl ate:

- ▣ Amy: $\frac{2}{6}$ of her chocolate bar
- ▣ Beth: $\frac{2}{3}$ of her chocolate bar
- ▣ Katie: $\frac{3}{4}$ of her chocolate bar
- ▣ Gretchen: $\frac{1}{2}$ of her chocolate bar
- ▣ Deb: $\frac{1}{3}$ of her chocolate bar

1. Who ate the most chocolate? _____

2. Who ate the least amount of chocolate? _____

26. Select $>$, $<$ or $=$ to complete a true statement about each pair of fractions.

$$\frac{3}{5} \square \frac{5}{12}$$

$$\frac{5}{6} \square \frac{3}{8}$$

$$\frac{1}{3} \square \frac{3}{5}$$

Name: _____

Date: _____

MAFS.4.NF.2.3

27. Kelly conducted an experiment. She filled a container with $3\frac{2}{3}$ cups of water and left it in her garden. She measured the amount of water in the container every day at the same time and calculated the amount of water lost to evaporation for each of the first three days.

WATER LOST TO EVAPORATION

Number of Days	Amount of Water That Evaporated (in cups)
1	$\frac{2}{3}$
2	$\frac{1}{3}$
3	$\frac{1}{3}$

What is the total amount of water that evaporated in the three days? _____

28. Which sums show different ways to express $\frac{5}{8}$?

$\frac{2}{8} + \frac{3}{8}$

$\frac{6}{8} - \frac{1}{8}$

$\frac{7}{8} - \frac{4}{8} + \frac{1}{8}$

$\frac{1}{8} + \frac{3}{8} + \frac{1}{8}$

$\frac{7}{8} - \frac{2}{8} - \frac{1}{8}$

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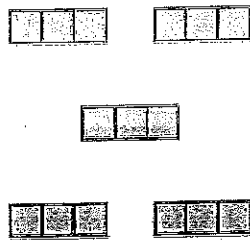
MAFS.4.NF.2.4

29. An equation is shown.

$$3 \times \square = \frac{3}{4}$$

What is the missing number? _____

30. Which expression can be represented using the following model?



A. $3 \times \frac{1}{5}$

B. $5 \times \frac{1}{3}$

C. $\frac{1}{3} \times 15$

D. $\frac{1}{5} \times 5$

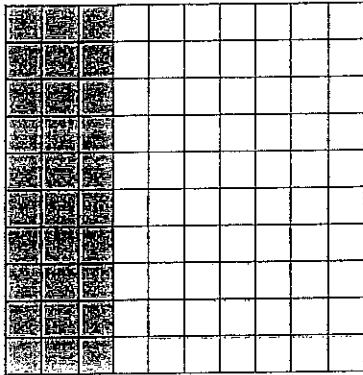
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MAFS.4.NF.3.5

31. The model below is shaded to represent a value that is less than 1 whole.



Check all of the values below that are equivalent to the shaded model.

—	$\frac{30}{100}$
—	$\frac{3}{10}$
—	0.03
—	0.30
—	$\frac{3}{100}$

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32. Check all the equations that are true.

Check	Equation
—	$\frac{8}{100} + \frac{2}{10} = \frac{10}{100}$
—	$\frac{5}{100} + \frac{2}{10} = \frac{52}{100}$
—	$\frac{3}{100} + \frac{2}{10} = \frac{23}{100}$
—	$\frac{1}{10} + \frac{2}{100} = \frac{12}{100}$
—	$\frac{20}{100} + \frac{40}{100} = \frac{6}{10}$

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MAFS.4.NF.3.6

33. Beth shaded the rectangle shown below to represent a decimal number.



Choose the correct decimal number.

- A. 0.04
 - B. 0.4
 - C. 4.0
 - D. 4.10
34. Plot the point representing 0.2 on the number line below.



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MAFS.4.NF.3.7

35. Alexis loves to work out on the treadmill. On Monday, she ran 3.25 miles. On Tuesday she ran 1.75 miles. On Wednesday she ran 2.65 miles. On Friday, she ran more than she did on Tuesday but less than she did on Monday. What could the possible amount of time be that she ran on Friday?

- A. 3.35 miles
- B. 2.7 miles
- C. 1.7 miles
- D. 1.4 miles

36. Mr. Shelby bought a new plant. The plant grew 2.6 centimeters in the first week and 3.4 centimeters the second week.

Select all the true comparisons of the plant growth for the two weeks.

- $2.6 > 3.42$
- $3.42 > 2.6$
- $2.6 < 3.42$
- $3.42 < 2.6$
- $2.6 = 3.42$

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MAFS.4.MD.1.1

37. Kathy has a piece of cloth that is 48 inches long. She made a table to show how many inches are equal to different numbers of feet. How many feet are equal to 48 inches?

Feet	Inches
1 foot	12 inches
3 feet	36 inches
	48 inches

38. Mrs. Robb's class is constructing a table to record feet and inches in common classroom items. The table below shows the comparisons.

CLASSROOM MEASUREMENTS

Item	Feet	Inches
Desk Length	3	36
Door Width	4	
Locker Width	2	24
Textbook Length	1	12

What is the width of the door in inches? _____

39. Select all the measurements that are close to a yard.

- The length of a student's desk
- The height of a classroom
- The width of a classroom door
- The length of a movie ticket
- The height of a building

Getting Ready for FSA – Grade 4

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MAFS.4.MD.1.2

40. Gretchen is baking a pie. She needs $\frac{3}{4}$ cup of sugar.

She notices that her measuring devices are only marked in ounces, not cups.

How many ounces of sugar will Gretchen need?

41. Kesha and Juan were training for a race. Kesha ran 3 kilometers twice a week and 1 kilometer once a week. Juan ran 2,500 meters three times a week. Who ran the farthest during the week? Show your work.

42. Charlie and 10 friends are planning for a pizza party. They purchase 3 quarts of milk. If each glass holds 8 ounces, will everyone get at least one glass of milk? Explain.

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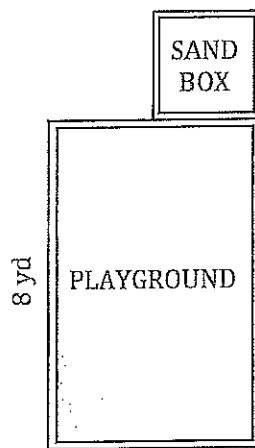
43. Susan has 2 feet of ribbon. She wants to give her ribbon to her 3 best friends, so each friend gets the same amount. How much ribbon will each friend get?

44. A pound of apples costs \$1.20. Rachel bought a pound and a half of apples. If she gave the clerk \$5.00 bill, how much change will she get back?

MAFS.4.MD.1.3

45. The park in Alyssa’s neighborhood had new equipment and play areas added. The picture to the right shows part of the new park.

The new playground space has a length of 8 yards and an area of 48 square yards. Attached to the playground is a square sandbox. The width of the sandbox is half the width of the playground.



Find the area of the sandbox.

46. A store owner needs a rug with an area of at least 420 square feet. Select all the sizes of rugs the store owner could choose.

- 40 feet x 20 feet
- 60 feet x 7 feet
- 70 feet x 6 feet
- 4 feet x 20 feet
- 20 feet x 4 feet

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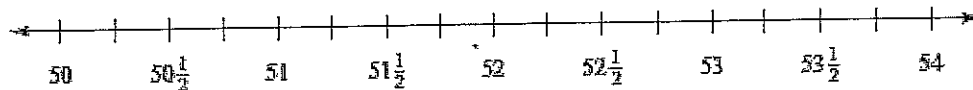
MAFS.4.MD.2.4

47. The table below shows the heights of ten of Craig’s friends.

Heights of Craig’s Friends

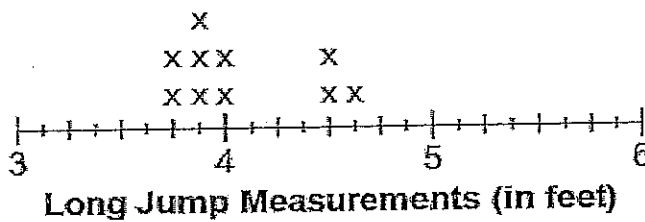
Name	Height (in inches)
Matt	$52\frac{1}{2}$
Justin	$51\frac{3}{4}$
Danny	52
Antonio	51
Terrell	53
Kiera	51
Ellen	52
Kim	$50\frac{1}{2}$
Pean	52
Gabriella	$51\frac{1}{4}$

Use the line plot below to graph the data from the table.



- What is the total number of Craig’s friends who have a height that is less than $52\frac{1}{2}$ inches? _____
- What is the difference, in inches, between the height of Craig’s tallest friend and the height of Craig’s shortest friend? _____

48. A line plot with long jump data is given.



Ben jumped $\frac{3}{8}$ foot less than the farthest jump. How far did Ben jump? _____

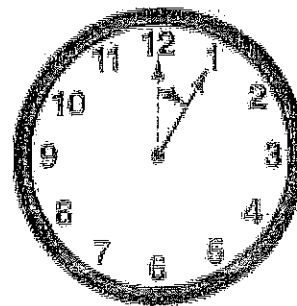
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MAFS.4.MD.3.5

49. At 12:00, the minute hand on the clock points to the number 12. As the minute hand moves to the number 1, it passes through an angle of 30° . How many degrees will the minute hand pass through if it moves from the 1 to the 6 on the clock?

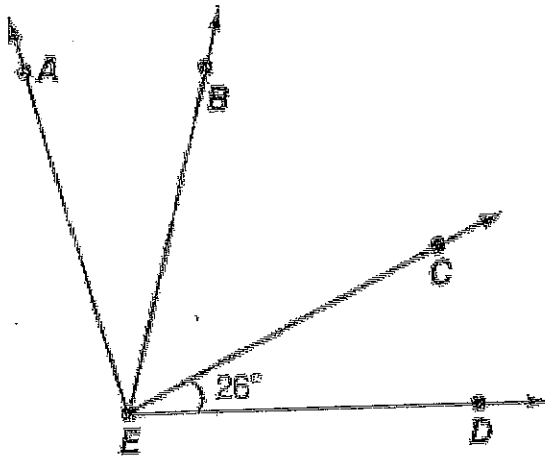


50. Select the category of measure for each angle.

	Less than 90°	Between 90° and 180°
		
		
		

Name: _____

54. Janice drew 4 rays with the common endpoint E as shown below.



The measure of $\angle AED$ is 106° . The measure of $\angle BEC$ is 20° greater than the measure of $\angle AEB$. The measure of $\angle CED$ is 26° .

Choose the correct answer for the measures of $\angle AEB$ and $\angle BEC$.

- A. 80° and 26°
- B. 46° and 60°
- C. 30° and 50°
- D. 26° and 46°

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MAFS.4.G.1.1

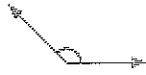
55. Which of the following angles is obtuse?



A.



B.



C.

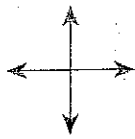


D.

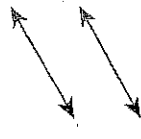
56. Which figure appears to show two parallel lines?



A.



B.



C.



D.

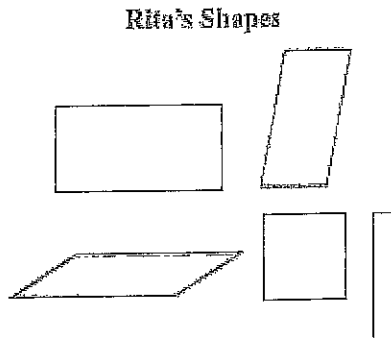
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MAFS.4.G.1.2

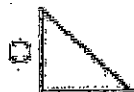
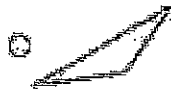
57. Rita has shapes shown below.



Which of the following best describes all of Rita's shapes?

- A. Squares
- B. Rectangles
- C. Rhombuses
- D. Parallelograms

58. A set of triangles is shown. Select all the obtuse triangles.



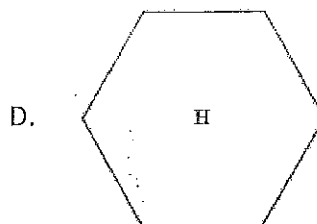
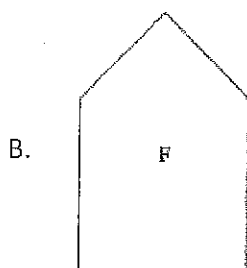
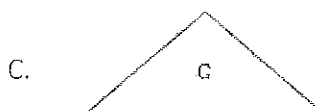
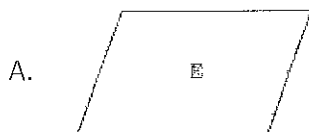
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MAFS.4.G.1.3

59. Which of these shapes has more than one line of symmetry?



60. A figure is shown.



How many lines of symmetry does the figure have? _____