EST. 1946

THE KING'S

CHRISTIAN SCHOOL

Dear Student,

Summer is a time for rest and relaxation, but it is still important to exercise your brain! In order to be prepared for the next school year, please complete the required summer math packet. This consists of skills and concepts covered during the school year. Some problems may be easy and others might be more challenging. Make sure you bring this packet to school on the first day! If you would like additional practice, there are many websites and apps that allow you to practice your math facts:

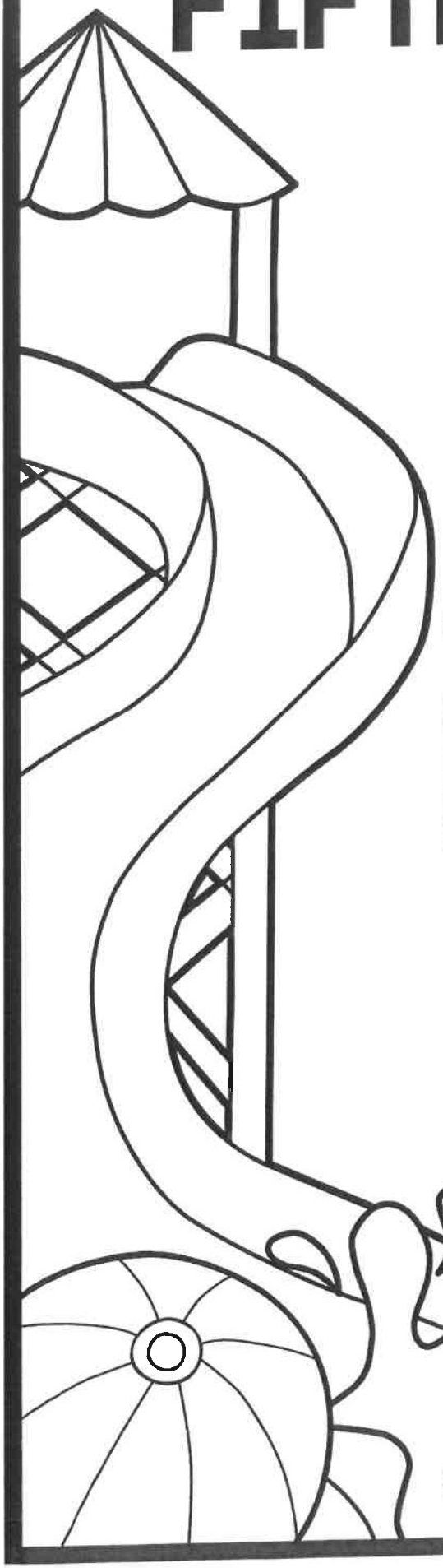
- www.99math.com
- www.mathgames.com/grades
- www.mathplayground.com

We look forward to seeing you in September! Enjoy your summer!

Sincerely,

Mrs. Jessica Flanagan
Preschool/Elementary Principal

FIFTH GRADE



MATH SUMMER REVIEW

This packet belongs to:

Name _____ Date _____

Rounding Numbers

1. Round the following number to the nearest 10.

3,467

2. Round the following number to the nearest 100.

52,329

3. Round the following number to the nearest 1,000.

64,580

4. Round the following number to the nearest 10,000.

572,613

5. Round the following number to the nearest 100,000.

132,045

6. Place 1,400 on the number line below.

7. Round 1,400 to the nearest thousand.

_____

8. Place 4,500 on the number line below.

9. Round 4,500 to the nearest thousand.

_____

10. Round the following number to the nearest 10, 100, 1,000 and 10,000.

24,675

Nearest 10 _____ Nearest 100 _____ Nearest 1,000 _____ Nearest 10,000 _____

Name _____ Date _____

Multiplying whole numbers

1. Find the product.

$$\begin{array}{r} 37 \\ \times\ 15 \\ \hline \end{array}$$

2. Solve the following problem using partial products.

×	30	6
5		

5 × 36 = _____

3. What equation is shown by the following breaking apart method?

100 × 2 = 200
20 × 2 = 40
2 × 2 = 4

Use this space to show your work. Number your problems & circle your answer.

4. Max bought 5 boxes of cleaning wipes for his classroom. Each box cost $2.50. How much did he spend?

_____

5. Julie has 20 times as many bouncy balls as her brother. Her brother has 4. How many bouncy balls does Julie have?

6. A theater has 60 rows of seats. Each row has 42 seats. How many seats are in the theater?

_____

Use this space to show your work. Number your problems & circle your answer.

Name _____ Date _____

DIVIDING WHOLE NUMBERS

1. Find the quotient. Circle your answer. **315 ÷ 9**	2. Find the quotient. Circle your answer. **2,225 ÷ 5**	3. Find the quotient. Circle your answer. **748 ÷ 7**
4. Find the quotient. Circle your answer. **5,887 ÷ 3**	5. Use multiplication to check the answer. Decide if it is **correct** or **incorrect**. **547 ÷ 6 = 91 r 1** ___Correct ___Incorrect	6. Use multiplication to check the answer. Decide if it is **correct** or **incorrect**. **763 ÷ 4 = 190 r 2** ___Correct ___Incorrect
7. The circus sold 1,624 tickets for their upcoming event. They divided the arena into 8 equal sections. How many people were seated in each section? _____	8. Allie has 123 oranges to put in 11 baskets. If she evenly divides the oranges among the 11 baskets, how many oranges will be left over? _____	9. A summer camp needed 1,148 popsicles. Boxes of popsicles were sold with 8 in each. How many boxes did they have to buy to have enough popsicles? How many were left over? _____

Name _____ Date _____

Factors and Multiples

1. What are the first 5 multiples of 3?	2. What are the first 5 multiples of 9?	3. What are the first 5 multiples of 4?
4. List the factors of 12.	5. List the factors of 21.	6. List the factors of 36.
7. 5, 10, 15, 20... is an example of skip counting, therefore these numbers are called _____ of 5.	8. 7 divides evenly into 14, therefore 7 is a _____ of 14.	9. True or False? 1, 2, 3, 6, 9 and 18 are all factors of 18.
10. List the first 5 multiples of 3 and 6. Circle the least common multiple. 3: _____ 6: _____	11. List the first 5 multiples of 4 and 5. Circle the least common multiple. 4: _____ 5: _____	12. List the first 5 multiples of 8 and 12. Circle the least common multiple. 8: _____ 12: _____

Factors: Finding all the numbers that divide evenly into a number.

Know the difference!

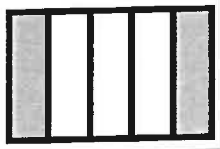
Multiples: Skip counting by a number.

Numbers & Operations: Fractions 4.NF.1

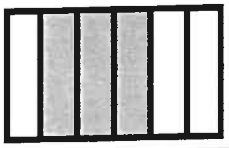
Name _____ Date _____

Equivalent fractions

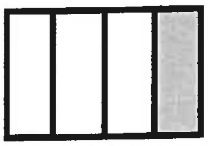
1. Identify the fraction shown in the model. Then multiply the numerator and denominator by 2 to find an equivalent fraction.



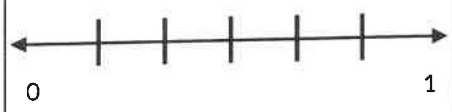
2. Identify the fraction shown in the model. Then divide the numerator and denominator by 3 to find an equivalent fraction.



3. Identify the fraction shown in the model. Then multiply or divide to find an equivalent fraction.



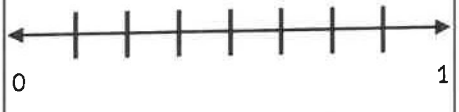
4. Place the fraction $\frac{2}{6}$ on the number line below.



Now write an equivalent fraction.

$$\frac{2}{6} = \frac{\quad}{\quad}$$

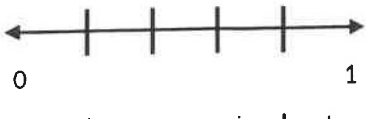
5. Place the fraction $\frac{4}{8}$ on the number line below.



Now write an equivalent fraction.

$$\frac{4}{8} = \frac{\quad}{\quad}$$

6. Place the fraction $\frac{3}{5}$ on the number line below.



Now write an equivalent fraction.

$$\frac{3}{5} = \frac{\quad}{\quad}$$

7. Find the missing number in the equivalent fractions below.

$$\frac{4}{16} = \frac{1}{\quad}$$

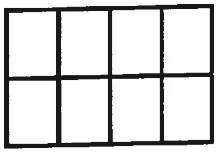
8. Find the missing number in the equivalent fractions below.

$$\frac{2}{3} = \frac{4}{\quad}$$

9. Find the missing number in the equivalent fractions below.

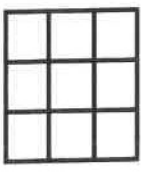
$$\frac{4}{12} = \frac{1}{\quad}$$

10. Color $\frac{3}{4}$ of the shape below. Then write an equivalent fraction.



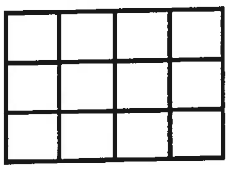
$$\frac{3}{4} = \frac{\quad}{8}$$

11. Color $\frac{2}{3}$ of the shape below. Then write an equivalent fraction.



$$\frac{2}{3} = \frac{\quad}{6}$$

12. Color $\frac{1}{4}$ of the shape below. Then write an equivalent fraction.

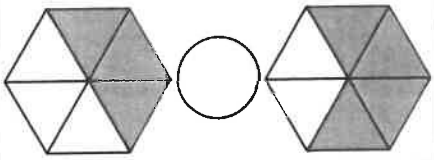


$$\frac{1}{4} = \frac{\quad}{12}$$

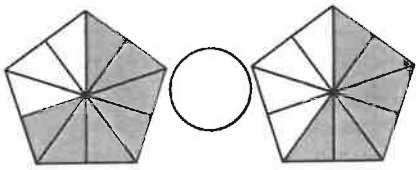
Name _____ Date _____

Comparing fractions

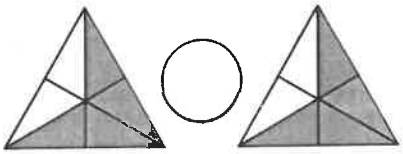
1. Fill in the circle with: <, > or =



2. Fill in the circle with: <, > or =



3. Fill in the circle with: <, > or =



4. Fill in the circle with: <, > or =

$\frac{1}{2} \bigcirc \frac{2}{3}$

5. Fill in the circle with: <, > or =

$\frac{6}{8} \bigcirc \frac{3}{4}$

6. Fill in the circle with: <, > or =

$\frac{4}{5} \bigcirc \frac{4}{6}$

7. Circle the largest fraction.

$\frac{1}{8}$ $\frac{3}{4}$ $\frac{2}{6}$

8. Circle the largest fraction.

$\frac{4}{5}$ $\frac{1}{2}$ $\frac{2}{3}$

9. Circle the largest fraction.

$\frac{3}{6}$ $\frac{5}{8}$ $\frac{1}{4}$

10. Write **TRUE** or **FALSE** beside each comparison below.

$\frac{3}{10} > \frac{3}{4}$ _____

$\frac{4}{6} = \frac{2}{3}$ _____

$\frac{5}{12} < \frac{6}{10}$ _____

11. Write **TRUE** or **FALSE** beside each comparison below.

$\frac{4}{8} = \frac{2}{4}$ _____

$\frac{5}{8} < \frac{1}{2}$ _____

$\frac{8}{10} > \frac{5}{6}$ _____

12. Write **TRUE** or **FALSE** beside each comparison below.

$\frac{3}{8} > \frac{4}{10}$ _____

$\frac{2}{3} < \frac{1}{5}$ _____

$\frac{6}{8} = \frac{3}{4}$ _____

Name _____ Date _____

Adding & Subtracting fractions

1. Find the difference. Show your answer in simplest form.

$\frac{7}{8} - \frac{3}{8} =$ _____

2. Find the difference. Show your answer in simplest form.

$\frac{8}{10} - \frac{2}{10} =$ _____

3. Find the difference. Show your answer in simplest form.

$\frac{6}{12} - \frac{4}{12} =$ _____

4. Find the sum. Show your answer in simplest form.

$\frac{2}{3} + \frac{1}{3} =$ _____

5. Find the sum. Show your answer in simplest form.

$\frac{3}{6} + \frac{1}{6} =$ _____

6. Find the sum. Show your answer in simplest form.

$\frac{5}{14} + \frac{3}{14} =$ _____

7. Decompose the fraction below.

$\frac{3}{8}$

_ + _ + _ = $\frac{3}{8}$

8. Decompose the fraction below.

$\frac{4}{5}$

_ + _ + _ + _ = $\frac{4}{5}$

9. Decompose the fraction below.

$\frac{2}{3}$

_ + _ = $\frac{2}{3}$

10. Write the improper fraction as a mixed number.

$\frac{9}{4}$

11. Write the improper fraction as a mixed number.

$\frac{7}{5}$

12. Write the mixed number as an improper fraction.

$5\frac{1}{3}$

13. Write the mixed number as an improper fraction.

$2\frac{4}{9}$

Name _____ Date _____

FRACTIONS & decimals

1. Represent the following fraction as a decimal. $\frac{2}{10}$

_____

2. Represent the following fraction as a decimal. $\frac{8}{100}$

_____

3. Represent the following fraction as a decimal. $\frac{40}{100}$

_____

4. Represent the following decimal as a fraction. **0.5**

_____

5. Represent the following decimal as a fraction. **0.22**

_____

6. Represent the following decimal as a fraction. **0.73**

_____

7. Represent the following decimal in word form. **0.8**

_____

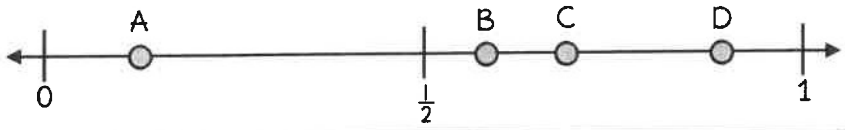
8. Represent the following decimal in word form. **0.30**

_____

9. Represent the following decimal in word form. **0.6**

_____

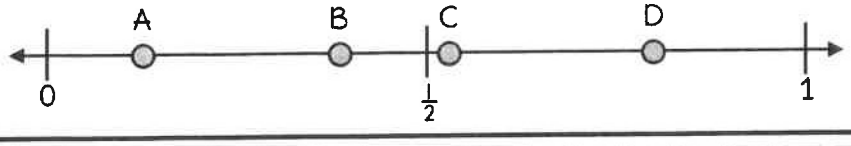
10. Circle the letter on the number line that best represents $\frac{86}{100}$.



11. Represent the following fraction in word form. $\frac{3}{10}$

_____

12. Circle the letter on the number line that best represents $\frac{4}{10}$.



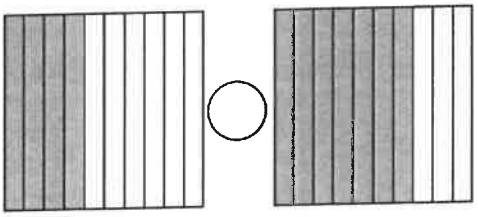
13. Represent the following fraction in word form. $\frac{52}{100}$

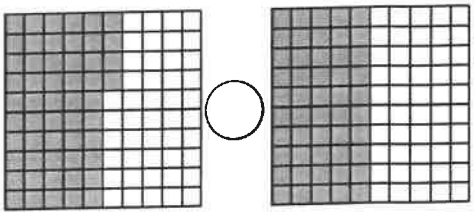
_____

Name _____ Date _____

COMPARING Decimals

Write the decimal shown in each model below. Then, compare the models below using <, > or =.

1. 

2. 

3. Circle the expressions that show a correct comparison of decimals.

   0.3 < 0.9

   0.45 > 0.65

   0.32 > 0.30

   0.1 > 0.10

4. Compare the decimals below using <,> or =.

   0.84 ◯ 0.80

   0.4 ◯ 0.7

   0.42 ◯ 0.42

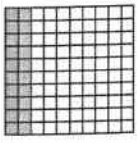
5. Compare the decimals below using <,> or =.

   0.2 ◯ 0.20

   0.64 ◯ 0.6

   0.3 ◯ 0.32

6. A decimal is modeled by the shaded part on the grid below. Write a sentence correctly comparing this decimal to $\frac{2}{10}$.



_____

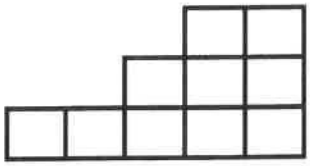
7. A decimal is modeled by the shaded part on the grid below. Write a sentence correctly comparing this decimal to $\frac{50}{100}$.

_____

Name _____ Date _____

Area & Perimeter

1. Determine the square units of the figure below.



_____

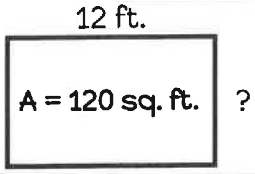
2. Determine the area for the rectangle below.

_____

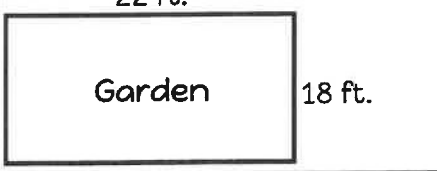
3. Determine the perimeter for the rectangle below.

_____

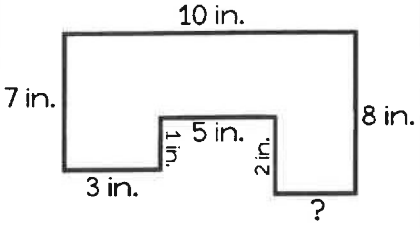
4. Mr. Michael has a dog pen with an area of 120 sq. feet. The length of his dog pen is 12 feet. What is its width? _____



5. Lani's mom wants to put a fence around her garden. How many feet of fencing will she need? _____



6. What is the perimeter of the figure below?



_____

7. A library added a new outdoor reading section that was 24 feet by 16 feet What was the area?

_____

8. An island in the Atlantic Ocean is 10 miles wide by 6 miles long. What is the perimeter of the island?

_____

9. A kiddie pool has the perimeter of 36 meters. The length of one side is 10 meters. What is the width of the pool?

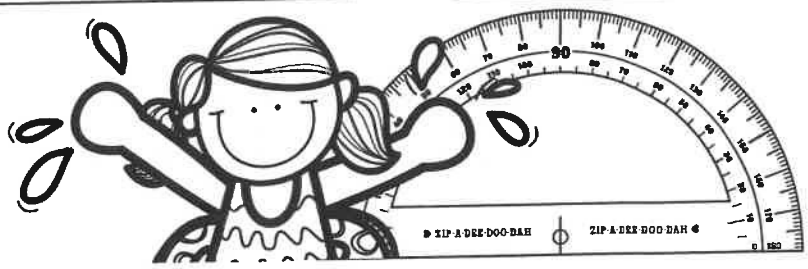
_____

Measurement & Data

4.MD.6

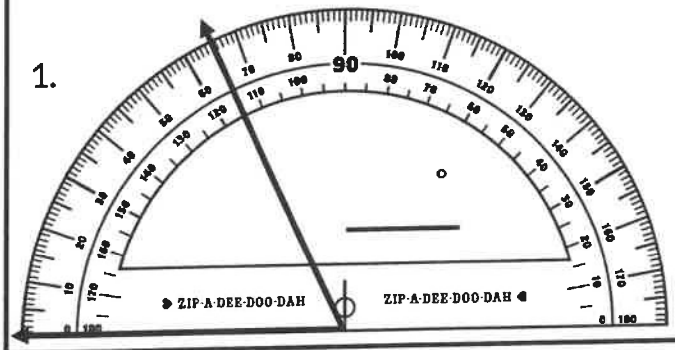
Name _____ Date _____

USING A Protractor

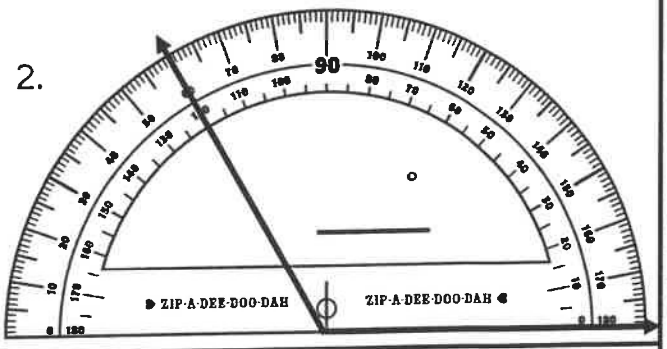


Use the protractors to measure the angles.

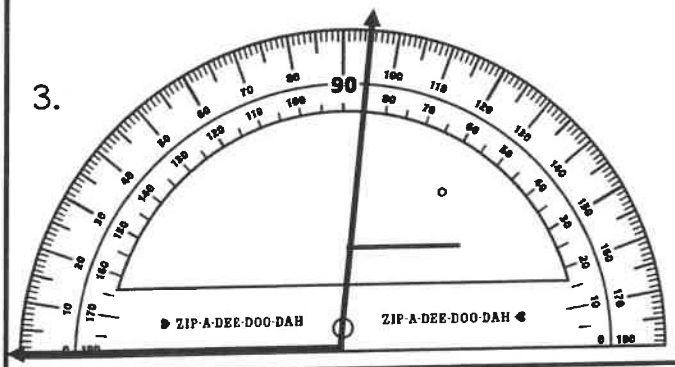
1.



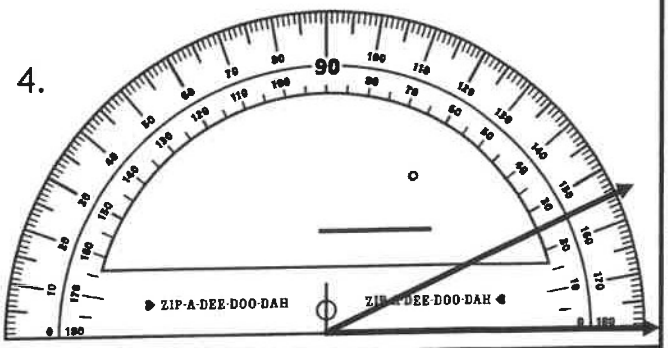
2.



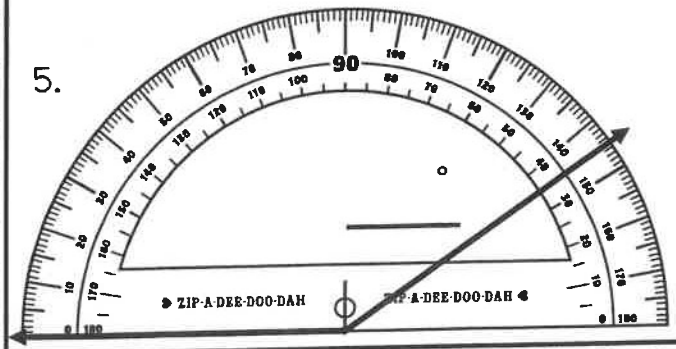
3.



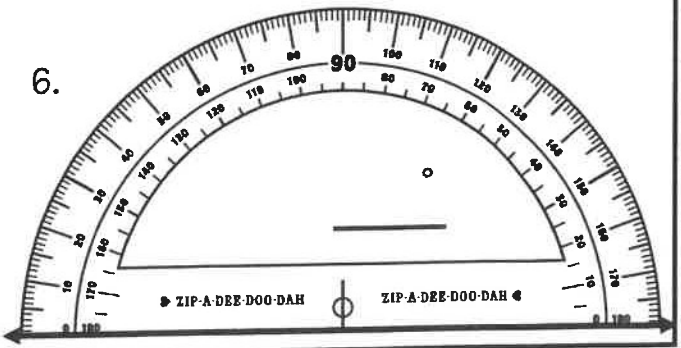
4.



5.

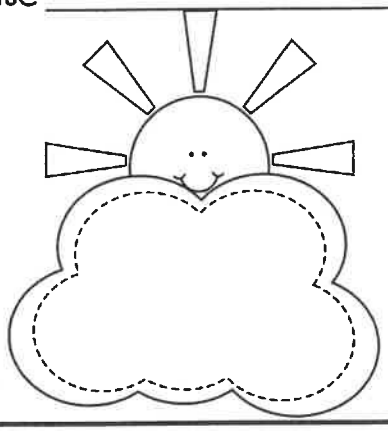


6.



Name _____ Date _____

LINES, Angles & Rays



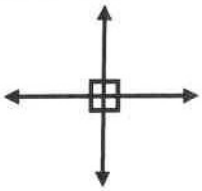
Use the words in the box to the label the figures correctly.

line	line segment	ray

1. _____ 2. _____ 3. _____

Use the words in the box to the label the figures correctly.

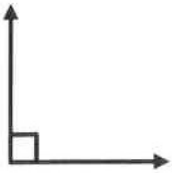
parallel lines	intersecting lines	perpendicular lines

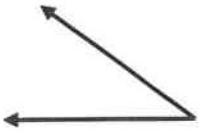


4. _____ 5. _____ 6. _____

Use the words in the box to the label the figures correctly.

acute angle	obtuse angle	right angle





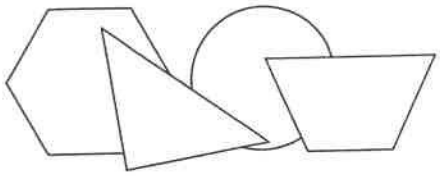
7. _____ 8. _____ 9. _____

Geometry

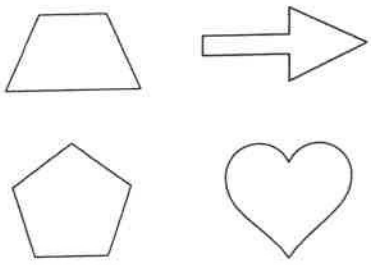
4.G.2

Name _____ Date _____

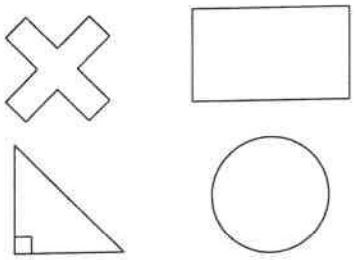
Classifying Shapes



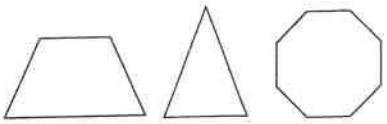
1. Circle the shapes that have parallel lines.



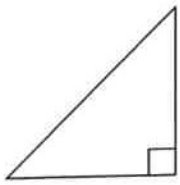
2. Circle the shapes that have perpendicular lines.



3. Circle the shape that has acute and obtuse angles.



4. Identify the figure below.



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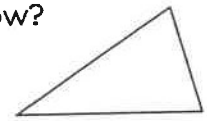
5. Annie says that that this figure is a scalene triangle. How does she know?



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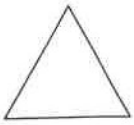
6. Nate says that that this figure is an equilateral triangle. How does he know?



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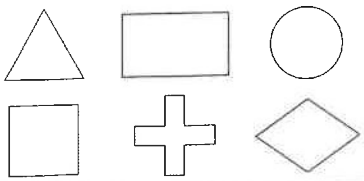
7. Sam sorted the following figures. He put some of them in a group of quadrilaterals. Circle the figures he placed into this group?



8. If Janie sorted figures into a group of 3 sides and 1 right angle? Which of the following shapes would belong in this group.

scalene triangle

right triangle

equilateral triangle

9. Circle the right triangles below.