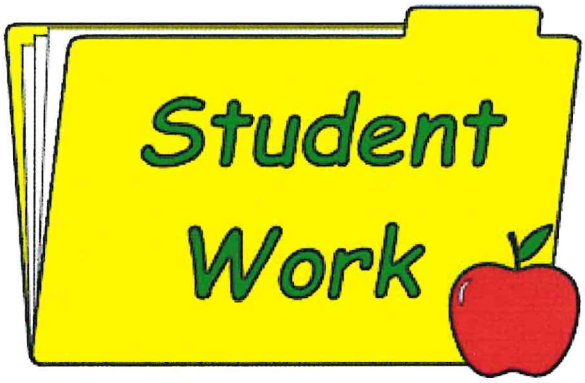
Unity Elementary School

Ex. Ed 

EX. ED.

Daily Assignment Planner

Grp 1/12

Day 1	Day 2	Day 3	Day 4	Day 5
1. Equations with an Unknown Variable 2. Problem Solving 3. Patterns and Rules	1. Number and Operations in Base Ten Review (#s 1-10, 2 pages)	1. Equivalent Fractions 2. Adding and Subtracting Fractions	1. Multiplying Fractions and Whole Numbers 2. Fractions with Denominators of 10 and 100	1. Fractions and Decimals 2. Comparing Decimals
Day 6	**Day 7**	**Day 8**	**Day 9**	**Day 10**
1. Measurement and Data Review (#s 1-10, 2 pages)	1. Geometry Lines and Angles 2. Geometry Classifying Figures 3. Symmetry	1. Math Assessment Skills Check 4.OA.1 2. Math Assessment Performance Check 4.OA.1	1. Math Assessment Skills Check 4.OA.5 2. Math Assessment Performance Check 4.OA.5	1. Math Assessment Skills Check 4.NBT.1 2. Math Assessment Performance Check 4.NBT.1 3. Math Assessment Performance Check 4.NBT.2
Day 11	**Day 12**	**Day 13**	**Day 14**	**Day 15**
1. Math Assessment Performance Check 4.NBT.5 2. Math Assessment Skills Check 4.NBT.6 3. Math Assessment Performance Check 4.NBT.6	1. Math Assessment Skills Check 4.NF.1 2. Math Assessment Performance Check 4.NF.1 3. Math Assessment Skills Check 4.NF 2	1. Math Assessment Skills Check 4.NF.5 2. Math Assessment Performance Check 4.NF.5 3. Math Assessment Skills Check 4.NF.6	1. Math Assessment Skills Check 4.MD.1 2. Math Assessment Performance Check 4.MD.2 3. Math Assessment Skills Check 4.MD.2	1. Math Assessment Skills Check 4.MD.3 2. Math Assessment Skills Check 4.MD.4 3. Math Assessment Performance Check 4.MD.4

Love and miss you! You've got this! Mrs. Ramey

Equations With an Unknown Variable

Name_____ 4.OA.2 Date _____

1. Jessica sold 45 items in the school fundraiser. Michelle sold 9 items. Which equation would show how many times more items Jessica sold than Michelle?

A. 45 + 9 = s
B. 45 x 9 = s
C. 9 x s = 45
D. 9 ÷ s = 45

2. This week Martha ran 8 miles. Last week she ran 3 times more miles. Which equation would help you find the number of miles Martha ran last week?

A. 8 - 3 = m
B. 8 x 3 = m
C. 8 + 3 = m
D. 8 ÷ 3 = m

3. It took Jane 4 times as long as Keith to complete her homework. It took Keith 8 minutes to complete his homework. Which equation would show how long it took Jane to complete her homework?

A. 8 x 4 = h
B. 8 ÷ 4 = h
C. h x 4 = 8
D. 8 + 4 = h

4. Jacob's brother found 5 sand dollars at the beach. Jacob found 7 times more sand dollars than his brother. Which equation would show how many sand dollars Jacob found?

A. 7 ÷ s = 5
B. 5 x 7 = s
C. 7 ÷ 5 = s
D. s x 5 = 7

5. Juan sold 6 times more newspapers than Kim. Juan sold 42 newspapers. Write and solve 2 different equations that show how many newspapers Kim sold. Explain how both equations can solve the problem.

Problem Solving

Name_____ 4.OA.3 Date _____

1. Mr. Ruiz bought 273 easels for his art students to use. Each easel cost $32. About how much money did Mr. Ruiz spend on easels?

A. $900
B. $9,000
C. $600
D. $6,000

2. There are 132 students in the cafeteria. Each table seats 8 students. How many tables are needed so that every student has a seat?

A. 10 tables
B. 15 tables
C. 16 tables
D. 17 tables

3. Sarah makes $225 each week babysitting. Marcus make $180 each week babysitting. How much more money does Sarah make in 8 weeks?

A. $45
B. $180
C. $360
D. $440

4. It takes 35 minutes for Dale to walk home from school or 17 minutes for him to ride his bike. In 15 days how many minutes more would he spend walking home than riding his bike?

A. 270 minutes
B. 250 minutes
C. 330 minutes
D. 18 minutes

5. There are 129 singers in a choir concert. The singers are arranged in rows with 9 singers in each row. How many rows are needed for all the singers? Explain your answer.

Patterns and Rules

Name_____ 4.OA.5 Date _____

1. Which algebraic rule describes the pattern below?

2, 4, 3, 6, 5, 10.....

A. add 2, then subtract 1
B. multiply by 2, then add 1
C. multiply by 2, then multiply by 1
D. multiply by 2, then subtract 1

2. The table below shows the relationship between the number of laps run on a track and the number of miles run.

Miles	2	3	5	7
Laps	8	12	20	28

Which statement describes the relationship between miles and laps?

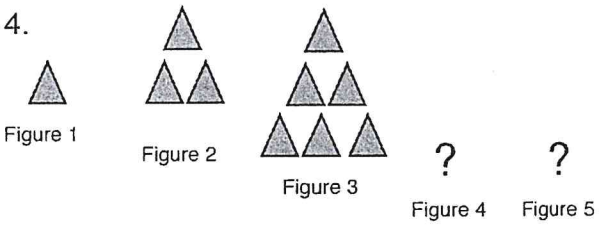
A. miles + 4 = laps
B. miles x 8 = laps
C. miles x 4 = laps
D. miles - 6 = laps

3. If this pattern continues how many packages would 54 oranges make?

Orange	Packag
18	3
24	4
36	6
42	?

A. 7
B. 8
C. 9
D. 10

4.



How many triangles will be in figure 5?

A.15 B. 10 C. 9 D. 12

5. Make a number pattern that starts with the number 1 where each number that follows is 3 times greater than the number before it. Continue the pattern until you have 6 numbers in the pattern.

_____

_____

_____

_____

Number and Operations in Base Ten Review

NBT Review

Name_____ Date _____

1. When rounded to the nearest thousand the number of sea turtle eggs tracked by the Turtle Watch is 14,000. Which number could be the actual number of turtle eggs?

A. 14,718 eggs
B. 13,482 eggs
C. 13,615 eggs
D. 14,921 eggs

2. The Central City Auditorium has 75 rows with 98 seats per row. How many seats does the auditorium have in all?

A. 173 seats
B. 7,350 seats
C. 150 seats
D. 6,810 seats

3. In 2,007 the Sea City Hall was 150 years old. What year was the Sea City Hall built?

A. 1757
B. 1957
C. 2157
D. 1857

4. Juan delivered 1,783 newspapers last year. Lisa delivered 2,179 newspapers last year. How is the 1 in each number different?

A. the 1 in 2,179 is worth 10 times more than the 1 in 1,783
B. the1 in 2,179 is worth 10 times less than the 1 in 1,783
C. the 1 in 2,179 is worth 100 times more than the 1 in 1,783
D. the1 in 2,179 is worth 100 times less than the 1 in 1,783

5. Maple Leaf School set a goal of collecting 1,350 cans for a canned food drive. There are 150 students at the school and Jamie said that if each student brought in 6 cans, they could meet their goal. Is she correct? Explain your answer.

_____

_____

_____

_____

Number and Operations in Base Ten Review

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Equivalent Fractions

Name_____ 4.NF.1 Date _____

1. Melissa split some equal sized candy bars into pieces. She kept $\frac{2}{3}$ of a candy bar for herself. She wants to give her friend Sally an equal amount. Which fraction is equal to $\frac{2}{3}$?

A. $\frac{3}{2}$ B. $\frac{2}{6}$

C. $\frac{6}{8}$ D. $\frac{4}{6}$

2. Martina got $\frac{8}{10}$ of the questions on a quiz correct. Aiden got an equivalent fraction of the questions correct. Which of the fractions below could be the fraction Aiden got correct?

A. $\frac{4}{5}$ B. $\frac{2}{10}$

C. $\frac{16}{30}$ D. $\frac{1}{5}$

3. Mark wants to give his friend $\frac{1}{4}$ of a pizza, but he cut the pizza into more than 4 pieces. Which fraction below is NOT equivalent to $\frac{1}{4}$?

A. $\frac{3}{12}$ B. $\frac{4}{16}$

C. $\frac{4}{8}$ D. $\frac{2}{8}$

4. The fourth graders grew bean plants and recorded the fraction of an inch they grew. Which students' plants grew an equivalent amount?

A. Jess and Lisa

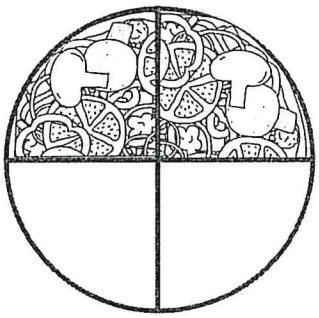
B. Ben and Keith

C. Lisa and Keith

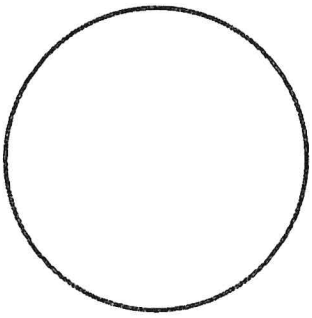
D. Ben and Lisa

Student	Fraction of an Inch of Growth
Ben	$\frac{2}{4}$
Jess	$\frac{2}{3}$
Lisa	$\frac{6}{9}$
Keith	$\frac{3}{9}$

5. Mrs. Jacobson bought 2 pizza that are the same size. She cut one pizza into 4 equal sized pieces and gave two of the pieces to Jim. She cut the other pizza into a different number of equal sized pieces and gave the same amount to Alex. What is one possible fraction of the pizza she gave to Alex? Explain your answer.



Jim's fraction of pizza



Pizza 2

Adding and Subtracting Fractions

Name_____ 4.NF.3 Date _____

1. Which number sentence is one way to decompose $1\frac{2}{3}$?

A. $\frac{2}{3} + \frac{1}{3}$ B. $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

C. $\frac{2}{3} + \frac{2}{3}$ D. $1 + 1 + \frac{1}{3} + \frac{1}{3}$

2. Which number sentence below shows $\frac{5}{8}$ as the sum of its unit fractions?

A. $\frac{3}{8} + \frac{1}{8}$ B. $\frac{1}{8} + \frac{1}{8}$

C. $\frac{3}{8} + \frac{3}{8}$ D. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

3. Martha left $\frac{5}{6}$ of a liter of water out in the sun. When she checked on the water some had evaporated and there was only $\frac{2}{6}$ of a liter left. How much of a liter of water evaporated?

A. $\frac{3}{0}$ B. $\frac{2}{6}$ C. $\frac{3}{6}$ D. $\frac{3}{3}$

4. Mrs. Sanchez assigned $\frac{3}{8}$ of a page of math for homework. Then she assigned $\frac{2}{8}$ of the same page in class. What fraction of the page has she assigned?

A. $\frac{5}{8}$ B. $\frac{5}{16}$ C. $\frac{1}{8}$ D. $\frac{3}{8}$

5. Mrs. Sammy combined two bags of bird seed and it weighed $3\frac{5}{6}$ pounds. The original bags of bird seed each weighed a different amount. Name the possible weights of the original bags of bird seed that when combined they weigh $3\frac{5}{6}$ pounds.

Multiplying Fractions and Whole Numbers

Name_____ 4.NF.4 Date _____

1. What is $\frac{2}{5} \times 9$?

A. $\frac{11}{5}$ B. $\frac{7}{5}$

C. $\frac{9}{5}$ D. $\frac{18}{5}$

2. Jane is making muffins. She needs $\frac{1}{3}$ of a cup of blueberries for each batch. She is making 4 batches of muffins. How many cups of blueberries will she need?

A. $1\frac{1}{3}$ B. $2\frac{4}{3}$

C. $\frac{12}{3}$ D. $4\frac{1}{3}$

3. Kate is making bows. For each bow she needs 5 pieces of ribbon that are $\frac{3}{4}$ of a meter long. How many meters of ribbon does she need for each bow?

A. $5\frac{1}{4}$ B. $3\frac{3}{4}$

C. $\frac{5}{4}$ D. $4\frac{1}{4}$

4. Ethan worked on a project and did $\frac{1}{8}$ of the project each night for 5 nights. How much of the project did he complete?

A. $5\frac{1}{8}$ B. $\frac{8}{5}$

C. $\frac{5}{8}$ D. $1\frac{3}{5}$

5. On a field trip the 4th graders hiked on the path around Circle Lake 8 times. The path around Circle Lake is $\frac{3}{5}$ of a mile. What distance did the 4th graders hike in all? Please explain your answer using words, pictures, or numbers.

Fractions With Denominators of 10 and 100

Name_____ 4.NF.5 Date _____

1. Sam got $\frac{80}{100}$ on his spelling test. Which fraction is equivalent to Sam's score?

A. $\frac{800}{100}$ B. $\frac{80}{10}$

C. $\frac{8}{100}$ D. $\frac{8}{10}$

2. Wendy has completed $\frac{4}{10}$ of her paper route before school and $\frac{35}{100}$ of her paper route after school. How much of her paper route did she complete?

A. $\frac{75}{100}$ B. $\frac{39}{100}$

C. $\frac{39}{10}$ D. $\frac{75}{10}$

3. This year $\frac{9}{10}$ of the fourth graders at Sunnyville Elementary school did a science fair project. What fraction is equivalent to $\frac{9}{10}$?

A. $\frac{9}{100}$ B. $\frac{900}{100}$

C. $\frac{90}{100}$ D. $\frac{90}{10}$

4. Yesterday Mrs. Green's class recycled $\frac{2}{10}$ of a kilogram of paper. Today they recycled $\frac{9}{100}$ of a kilogram of paper. How much paper did they recycle in all?

A. $\frac{11}{100}$ B. $\frac{29}{100}$

C. $\frac{11}{10}$ D. $\frac{29}{10}$

5. Mrs. Pott's class is growing a sunflower in science class. Last week it grew $\frac{5}{10}$ of a meter and this week it grew $\frac{29}{100}$ of a meter. How much did it grow in all? Explain your answer using words, pictures, or numbers.

Fractions and Decimals

Name_____ 4.NF.6 Date _____

1. In May it rained $\frac{57}{100}$ of a meter. What is that number as a decimal?

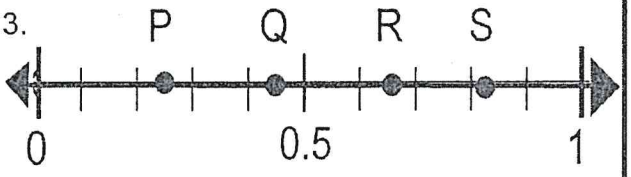
A. 5.7
B. 0.57
C. 0.057
D. 57.0

2. On a math test Jamal got 0.83 of the problems correct. What is that number as a fraction?

A. $\frac{83}{1,000}$ B. $\frac{83}{10}$

C. $\frac{830}{100}$ D. $\frac{83}{100}$

3.



Alyse plotted some points on a number line. Which letter is at 0.67?

A. P B. Q

C. R D. S

4. Last year $\frac{6}{10}$ people who borrowed books form the library had a least one overdue fine. What is that number as a decimal?

A. 0.60 B. 0.06

C. 6.0 D. 10.6

5. In art class students are making fabric covered books. It takes 0.8 meters of fabric to cover each book. At the fabric store, they measure the fabric in fraction of a meter. What are 2 fractions that equal 0.8? Explain your answer using words, pictures, or numbers.

Comparing Decimals

Name_____ 4.NF.7 Date _____

1. Which number sentence below correctly compares the two decimals?

A. 0.7 < 0.25
B. 0.4 > 0.40
C. 0.5 > 0.39
D. 0.35 < 0.2

2. Which number sentence below correctly compares the two decimals?

A. 4.45 > 3.51
B. 1.01 < 0.9
C. 3.1 < 3.08
D. 0.9 < 0.19

3. At a frog jumping contest Maribel's frog jumped 0.75 of a meter, Sabel's frog jumped 0.09 of a meter, and Leslie's frog jumped 0.8 of a meter. Whose frog went the furthest?

A. Maribel's frog
B. Leslie's frog
C. Sabel's frog
D. The frogs jumped the same distance

4. The students in Mrs. Gomez's class measured the distance they travel from home to school and they made this chart. Who lives closest to school?

Student	Kilometers from School
Ali	0.5
Mary	0.18
Don	0.09
Trevor	0.28

A. Ali
B. Mary
C. Don
D. Trevor

5. At the track meet George ran a sprint in 18.7 seconds. Miguel ran the sprint in 18.25 seconds. Who ran it the fastest. Explain your answer.

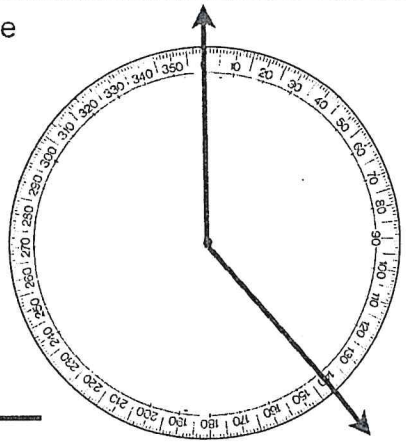
Measurement and Data Review

Name_____ MD Review Date _____

1. It took Alan 6 hours to make 9 paintings. He spent an equal amount of time making each painting. How many minutes did he spend making each painting?

A. 54 minutes
B. 15 minutes
C. 40 minutes
D. 45 minutes

2. What is the measure of the angle?



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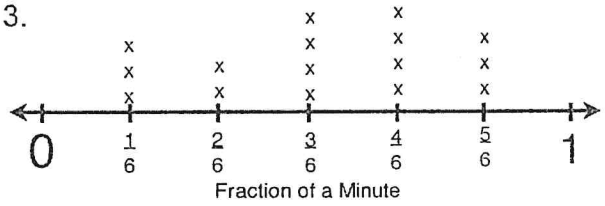
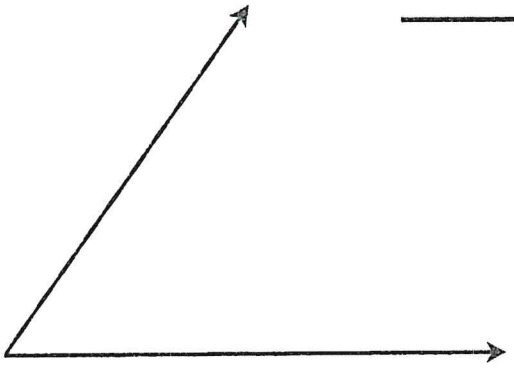
3.



Mrs. Sanchez recorded how long it took her students to complete multiplication problems. She plotted the data on the line plot above. How many students completed the problem in $\frac{1}{2}$ a minute or less?

A. 13 B. 4 C. 9 D. 11

4. Measure the angle below.



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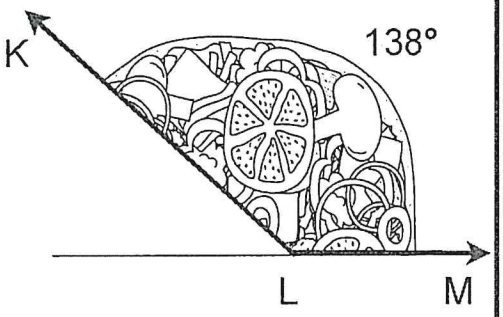
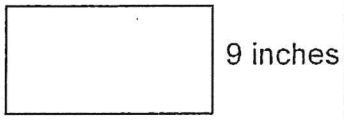
5. The piece of pizza Mrs. Kinser got forms the angle KLM that measures 138°. She split the pizza into 3 pieces that were not equal in size. What are possible measurements of the angles of the pieces of pizza if she splits the pizza into 3 pieces? Please explain your answer.



Measurement and Data Review

Name_____ MD Review Date _____

6. Joan is covering the front of her scrapbook with fabric. The area of the cover is 162 square inches. If the length of her scrapbook is 9 inches, what is the width?

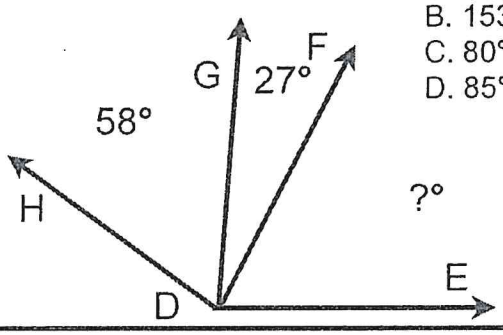


A = 162 in²

A. 153 inches
B. 18 inches
C. 17 inches
D. 1,458 inches

7. Chandler drew the figure below. The measure of <HDE is 138°. What is the measure of <FDE?

A. 53°
B. 153°
C. 80°
D. 85°



8. Max caught a fish that weighed 19 pounds 11 ounces. How many ounces is that in all?

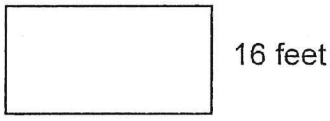
A. 30 ounces
B. 304 ounces
C. 315 ounces
D. 130 ounces

9. Alison bought 3 bottles of water that cost $1.25 each. She paid with a $20 bill. How much change did she get back?

A. $ 16.25
B. $ 17.75
C. $ 18.25
D. $ 14.75

10. The Jacobsons are building a rectangular fence around a pond. The perimeter of the fence is 70 feet. The width of the fence is 16 fence. What is the length of the fence? Explain your answer.

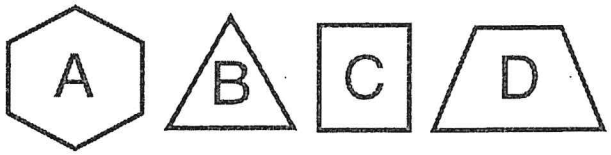
P = 70 feet



Geometry – Lines and Angles

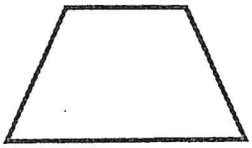
Name_____ 4.G.1 Date _____

1. Casey drew some shapes. Which of the shapes have at least 1 obtuse angle?



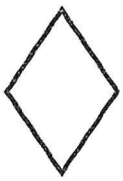
A. Shapes A and B
B. Shapes C and D
C. Shapes B and D
D. Shapes A and D

2. Which statement describes the shape below?



A. It has 2 acute angles and 2 right angles
B. It has 2 acute angles and 2 obtuse angles
C. It has all right angles
D. It has all acute angles

3. Which statement describes the shape below?



A. It has perpendicular lines
B. It has no perpendicular or parallel lines
C. It has parallel lines but no perpendicular lines
D. It has no parallel lines

4. Which statement describes the shape below?

A. It perpendicular lines, but not parallel lines
B. It has no perpendicular lines
C. It has parallel lines and perpendicular lines
D. It has no parallel lines

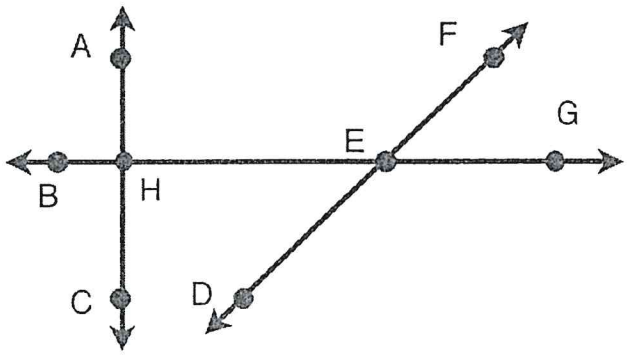
5. Name the following.

Right Angle _____

Acute Angle _____

Obtuse Angle _____

Perpendicular Lines _____



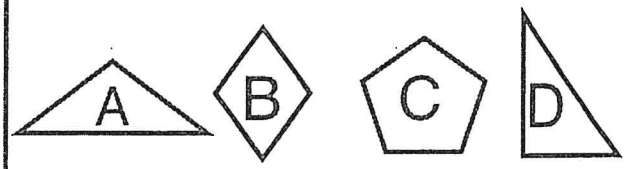
Geometry – Classifying Figures

Name_____ 4.G.2 Date _____

1. Carrie cut out some shapes. Which shapes have at least 1 obtuse angle?

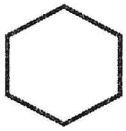
A. Shapes A and B
B. Shapes C and D
C. Shapes B and C
D. Shapes A and D

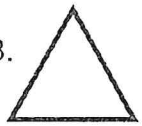
2. Marvin's little brother put shape stickers on his notebook. Which shapes have BOTH obtuse and acute angles?



A. Shapes A and B
B. Shapes C and D
C. Shapes B and C
D. Shapes A and D

3. Which shape below has parallel lines, but no perpendicular lines?

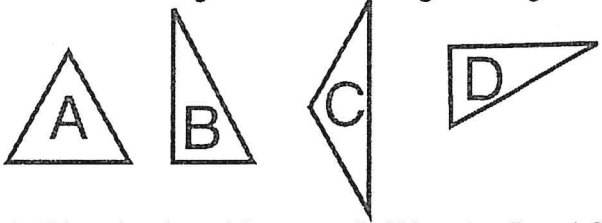
A. 

B. 

C. 

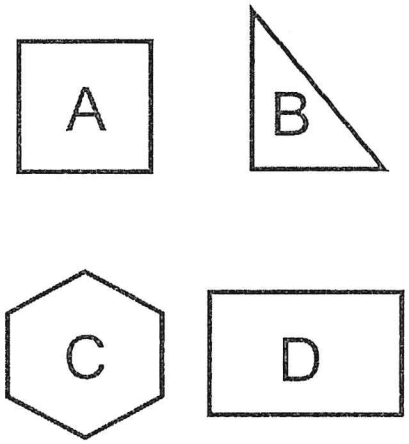
D. 

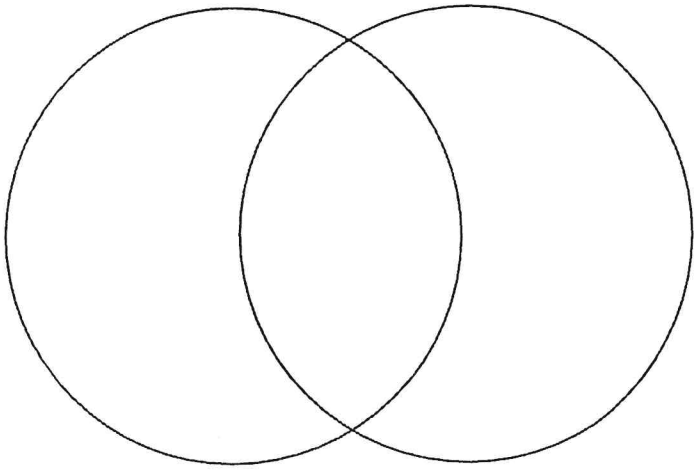
4. Which triangles below are right triangles?



A. Triangles A and B
B. Triangles B and C
C. Triangles C and D
D. Triangles B and D

5. Use the letters on the shapes to fill in the Venn Diagram below.





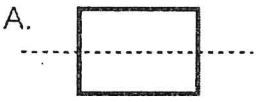
Shapes with parallel lines

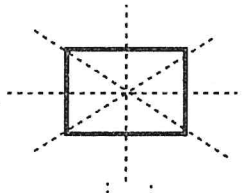
Shapes with perpendicular lines

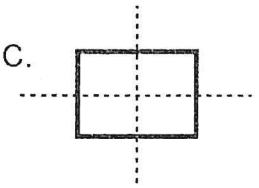
Symmetry

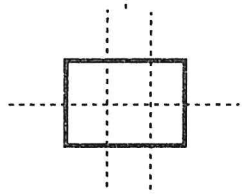
Name_____ 4.G.3 Date _____

1. Which shows the lines of symmetry for the shape?

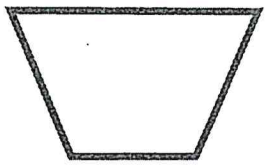
A. 

B. 

C. 

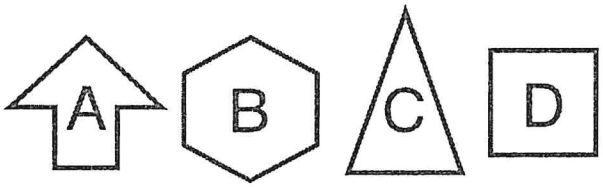
D. 

2. How many lines of symmetry are in the figure below?



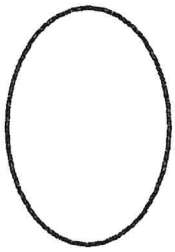
A. 1 B. 2 C. 4 D. None

3. Which shapes have more than 1 line of symmetry?



A. Shapes A and C B. Shapes B and D
C. Shapes B and C D. Shapes A and D

4. How many lines of symmetry are in the figure below?



A. 1 B. 2 C. 4 D. None

5. Draw the following shapes.

A shape with no lines of symmetry.	A shape with exactly 1 line of symmetry.	A shape with 3 or more lines of symmetry.

Math Assessment

Skills Check

4.OA.1 Interpret a multiplication equation as a comparison, e.g., interpret 35 = 5 × 7 as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.

Name _____ Date _____

1. Markers come in packs of 8. Juanita has 4 packs of markers. Write an equation to find how many markers Juanita has in all.

2. James walks 5 miles a day. Write an equation to find how many miles he walks in a week (7 days).

3. Write an equation that goes with this statement, 42 is 7 times as many as 6 and 6 times as many as 7.

4. Represent the following multiplication problem in words.

$$3 \times 9 = 27$$

Math Assessment

Performance Check

4.OA.1 Interpret a multiplication equation as a comparison, e.g., interpret 35 = 5 × 7 as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.

Name _____ Date _____

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

Comparison Statement	Equation
36 inches is 3 times longer than 12 inches	
40 seashells is 8 times as many as 5 seashells	
42 minutes is 7 times as long as 6 minutes	

Write a comparison statement to match the equation below below.

Comparison Statement	Equation
	2 x 8 = 16
	9 x 4 = 36

2. The table shows the number of goals that several soccer players scored in soccer a season.

Player	Kate	Josh	Juan	Shea	Ellen
# of goals	5	8	16	20	4

Use the information from the table make the statements below true.

Juan scored _____ times as many goals as Josh.

Write an equation to show that relationship _____

Write an equation to show the relationship between the number of goals Ellen and Shea scored _____

Write a statement to describe that relationship

_____

Math Assessment

Skills Check

4.OA.5 Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.

Name _____ Date _____

1. What is the rule for this pattern?

8, 16, 24, 32, 40, ?

Rule _____

What number comes next?

2.

m	n
3	27
4	36
6	54
8	72
9	?

What number completes the table?

_____

Write an equation to describe the rule for this table?

_____

3.

How many stars will be in figure 5?

4. What is the rule for this pattern?

2, 6, 4, 12, 10, ?

Rule _____

What number comes next?

Math Assessment

Performance Check

4.OA.5 Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.

Name _____ Date _____

1. Maggie's brother hired her to walk his dog for 7 days. On the first day he paid her $1. He doubled the amount of money he paid her each day. How much did he pay her on the 7th day? Explain how you got your answer using numbers, a table, pictures, or words.

2. Terrance made the following shape pattern. Fill in the shapes to complete the pattern.

What is the rule for this pattern?

_____

_____

_____

_____

Math Assessment

Skills Check

4.NBT.1 Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.

Name _____ Date _____

1. Solve.

   10 x 3 = _____

   10 x 30 = _____

   10 x 300 = _____

   10 x 3,000 = _____

   10 x 30,000 = _____

2. Solve.

   70 ÷ 7 = _____

   700 ÷ 70 = _____

   7,000 ÷ 700 = _____

   7,000 ÷ 7,000 = _____

   700 ÷ 7 = _____

3. Complete the equations by adding x or ÷ .

   10 ____ 7 = 70

   530 ____ 10 = 53

   83 ____ 100 = 8,300

   3 = 3,000 ___ 1,000

4. Jane collected 4,<u>3</u>78 stickers. Mark collected 1,6<u>3</u>9 stickers. How many times greater is the 3 in the number of stickers Jane collected than in the number of stickers Mark collected?

Math Assessment

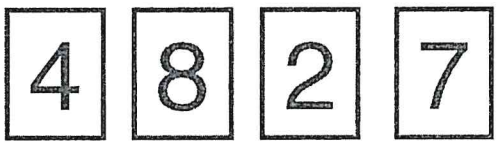
Performance Check

4.NBT.1 Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.

Name _____ Date _____

1. How is the number 5 in the number 351 different than the number 5 in the number 578? Explain your answer using numbers, pictures, or words.

2.



Juan and Tami are making numbers using the cards above. Tami makes the number 4,278. Juan makes a number where the digit 7 is worth 10 times the number Tami made.

What is an example of a number that could have Juan made? _____

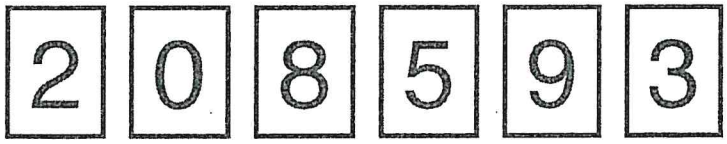
Explain your answer using numbers, pictures, or words.

Math Assessment

Performance Check

4.NBT.2 Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons.

Name _____ Date _____

1. 

Make a number using all the numbers above once.

_____

Write the number in expanded form.

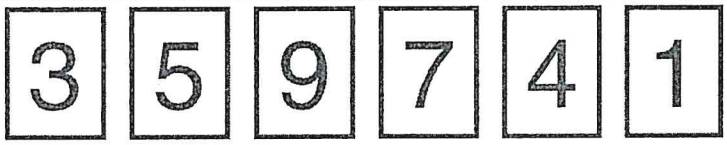
_____

_____

Write the number in word form (number name).

_____

_____

2. 

Make the greatest number you can make using all the numbers above once.

_____

Make the smallest number you can make using all the numbers above once.

_____

Explain how you determined your answer using numbers, pictures, or words.

Math Assessment

Performance Check

4.NBT.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Name _____ Date _____

1. Show 2 ways to solve 73 x 49.

2. Each fourth grader made 38 clay beads in art class. There are 97 fourth graders. How many beads did they make in all? Explain how you got your answer using numbers, pictures, or words.

Math Assessment

Skills Check

4.NBT.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Name _____ Date _____

1. $4\overline{)29}$

2. $7\overline{)93}$

3. $6\overline{)519}$

4. $9\overline{)3,784}$

Math Assessment

Performance Check

4.NBT.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Name _____ Date _____

1. Write a story problem for 1,275 ÷ 4.

_____

_____

_____

_____

_____

Solve the problem.

2. Four friends are sharing 288 baseball cards. If each person gets the same amount of cards, how many cards will each person get? Show 2 ways to solve the problem and explain how both of these ways solve the problem using, words, numbers, or pictures.

Math Assessment

Skills Check

4.NF.1 Explain why a fraction a/b is equivalent to a fraction (n × a)/(n × b) by using visual fraction models, with attention to how the number and size of the parts differ even though the two fractions themselves are the same size.

Name _____ Date _____

1. Are the fractions below equal?

Circle = or ≠

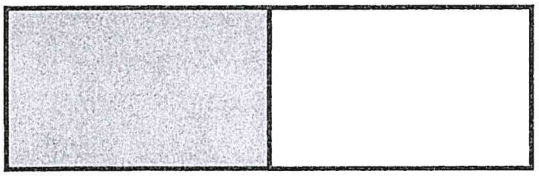
$\frac{2}{3} = \frac{6}{9}$ or $\frac{2}{3} \neq \frac{6}{9}$

2. Are the fractions below equal?

Circle = or ≠

$\frac{3}{5} = \frac{4}{8}$ or $\frac{3}{5} \neq \frac{4}{8}$

3. Make an fraction that is equal to the fraction shown in the box below.



$= \frac{1}{2}$

$= \frac{\quad}{\quad}$

4. Name 3 fractions that are equivalent to $\frac{1}{3}$.

Math Assessment

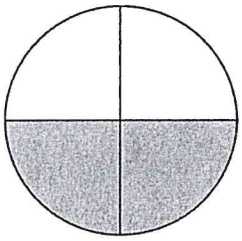
Performance Check

4.NF.1 Explain why a fraction a/b is equivalent to a fraction (n × a)/(n × b) by using visual fraction models, with attention to how the number and size of the parts differ even though the two fractions themselves are the same size.

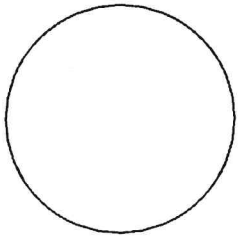
Name _____ Date _____

1. Jill split her cupcake into 4 equal pieces. She ate two of the pieces. Anders had a cupcake that was the same size. He split his cupcake into a different number of equal sized pieces, but he ate the same amount of cupcake. Use the circle to show how Anders split his cupcake. Write the fraction of the cupcake Anders ate. Explain your answer using numbers, pictures, or words.

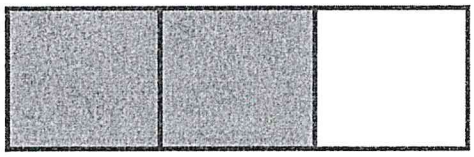
Jill's Cupcake

 $= \frac{2}{4}$

Anders' Cupcake

 = _____

2. Look at the model. Shade and write 2 equivalent fractions.

 $= \frac{2}{3}$

 = _____

 = _____

Math Assessment

Skills Check

4.NF.2 Compare two fractions with different numerators and different denominators, e.g., by creating common denominators or numerators, or by comparing to a benchmark fraction such as 1/2. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with symbols >, =, or <, and justify the conclusions, e.g., by using a visual fraction model.

Name _____ Date _____

1. Compare using <, >, or =.

$\frac{1}{3}$ ____ $\frac{1}{4}$

2. Compare using <, >, or =.

$\frac{2}{3}$ ____ $\frac{3}{4}$

3. Jessie got $\frac{2}{3}$ of a candy bar. Luke got $\frac{1}{6}$ of the same candy bar. Who got more of the candy bar?

4. Which statement is true?

A. $\frac{1}{3} < \frac{2}{8}$

B. $\frac{2}{4} > \frac{3}{6}$

C. $\frac{3}{6} < \frac{2}{3}$

D. $\frac{1}{2} > \frac{2}{3}$

Math Assessment

Skills Check

4.NF.5 Express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100.

Name _____ Date _____

1. Write the equivalent fraction.

$$\frac{6}{10} = \frac{\quad}{100}$$

2. Write the equivalent fraction.

$$\frac{40}{100} = \frac{\quad}{10}$$

3. Add the fractions below.

$$\frac{4}{10} + \frac{9}{100} = \_\_\_\_$$

4. Add the fractions below.

$$\frac{6}{100} + \frac{2}{10} = \_\_\_\_$$

Math Assessment

Performance Check

4.NF.5 Express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100.

Name _____ Date _____

1. On a test Max got $\frac{8}{10}$ of the questions correct. Michelle got $\frac{80}{100}$ of the questions correct. Max said that these two scores are equivalent. Is he correct? Explain how you got your answer using models, words, or numbers.

2. Juanita sold $\frac{4}{10}$ of the cookies in a bake sale. Morgan sold $\frac{25}{100}$ of the cookies in the fundraiser. What fraction of the cookies did they sell combined? Explain how you got your answer using models, words, or numbers.

Math Assessment

Skills Check

4.NF.6 Use decimal notation for fractions with denominators 10 or 100.

Name _____ Date _____

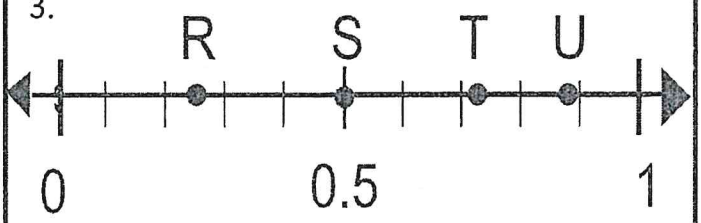
1. Write the fraction below as a decimal

$\frac{44}{100}$ = _____

2. Write the fraction below as a decimal

$\frac{9}{10}$ = _____

3.



Which letter is located at 0.71?

_____

4. Tim's sunflower plant grew $\frac{87}{100}$ of a meter. Write that number as a decimal.

_____

Math Assessment

Skills Check

4.MD.1 Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table.

Name _____ Date _____

1. How many inches are in 6 feet?

Feet	Inches
1	12
2	
3	
4	
5	
6	

_____

2. How many grams are in 4 kilograms?

Kilograms	Grams
1	1,000
2	
3	
4	

_____

3. Martina's kitten weighs 3 pounds 7 ounces. How many ounces is that?

_____

4. It takes Laura 4 minutes and 30 seconds to read a page in her book. How many seconds is that in all?

_____

Math Assessment

Performance Check

4.MD.1 Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table.

Name _____ Date _____

1. Jocelyn is having a lemonade stand. She needs to add 3 gallons of water to her lemonade. Her mother has 3 different containers to measure water. The containers hold 1 cup, 1 pint, and 1 quart. How many times would Jocelyn need to fill each container to make 3 gallons. Please make a chart for each container to show how many times it would need to be filled.

3 gallons = _____ cups	3 gallons = _____ pints	3 gallons = _____ quarts

2. At a fishing tournament Billy caught a fish that was 78 ounces. Josh caught a fish that weighed 4 pounds 7 ounces. Josh said caught the bigger fish. Is he correct? Explain your answer using a chart, pictures, words, or numbers.

Math Assessment

Skills Check

4.MD.2 Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

Name _____ Date _____

1. Allison has 5 feet of yarn that she wants to divide evenly between 6 friends. How many inches of yarn would each friend get? 1 foot = 12 inches	2. Apples cost $1.30 a pound. Leslie bought 3 pounds of apples. How much change would she get if she paid with a $5 bill?
3. Maggie brought 4 liters of hot cocoa to the hot cocoa stand and Thomas brought 750 milliliters to the stand. How many more milliliters did Maggie bring?	4. Jenna's mother sent her to the store to buy 3 gallons of milk. The store only had quart sized containers. How many quarts does Jenna need to buy to have 3 gallons?

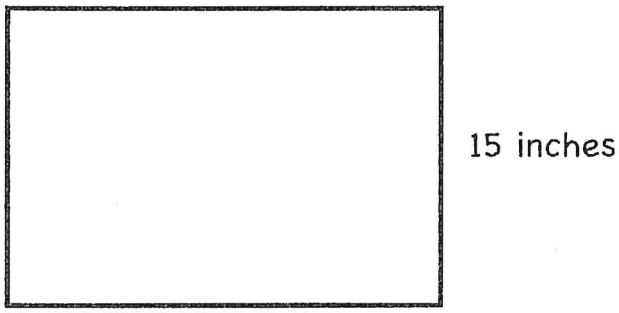
Math Assessment

Skills Check

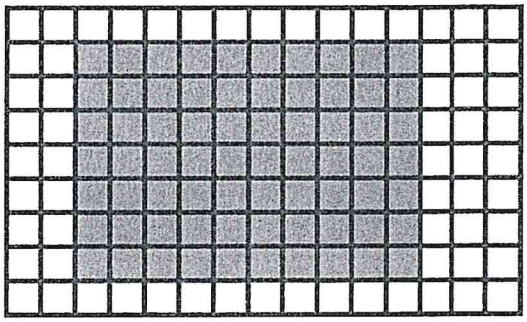
4.MD.3 Apply the area and perimeter formulas for rectangles in real world and mathematical problems.

Name _____ Date _____

1. What is the area of the rectangle below?



2. What is the perimeter of the shaded region of the rectangle below?



1 □ = 1 cm²

3. The Martinez family is building a rectangular shaped concrete patio. It is 7 feet long and 12 feet wide. What is the area of the patio?

4. Carmen is building a fence around her rectangular shaped garden. The garden is 8 feet long and 9 feet wide. What is the perimeter of her garden?

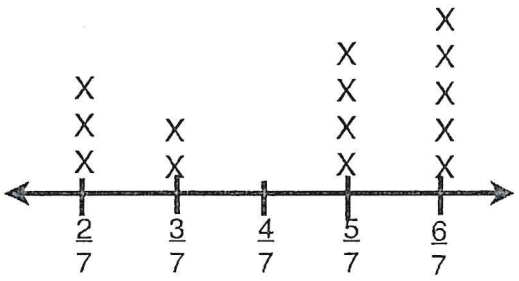
Math Assessment

Skills Check

4.MD.4 Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Solve problems involving addition and subtraction of fractions by using information presented in line plots.

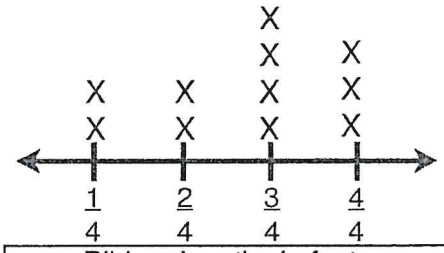
Name _____ Date _____

1. Each child in Mrs. Galbreth's class got 7 jelly beans. The chart below shows the fractions of the jelly beans each student ate. How many more students ate $\frac{5}{7}$ or more jelly beans of their jelly beans than students who ate $\frac{4}{7}$ or less?



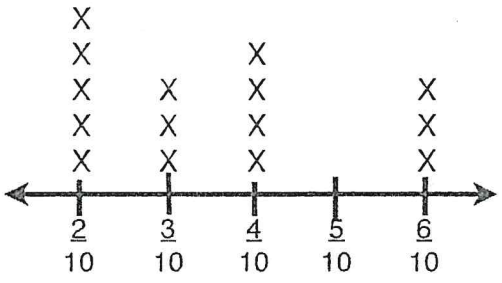
Fraction of jelly beans eaten

2. Jeremy gave each of his friends some ribbon. The chart below shows the fraction of a foot of ribbon that he gave each friend. How many more friends got $\frac{3}{4}$ or more of a foot of ribbon than $\frac{1}{4}$ of a foot of ribbon?



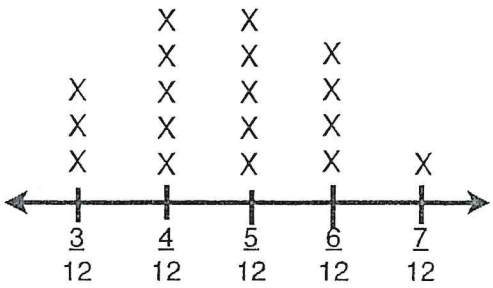
Ribbon lengths in feet

3. Mr. Bean's students each grew sunflowers. The line plot below represents the fraction of a meter that each sunflower grew. How many more sunflowers grew less than $\frac{1}{2}$ a meter than grew more than $\frac{1}{2}$ a meter?



Fraction of a meter in growth

4. Each student in Mrs. Roll's cooking class brought in a dozen eggs. The line plot below shows the fraction the eggs each student used. How many students used $\frac{5}{12}$ or more eggs?



Fraction of a dozen eggs

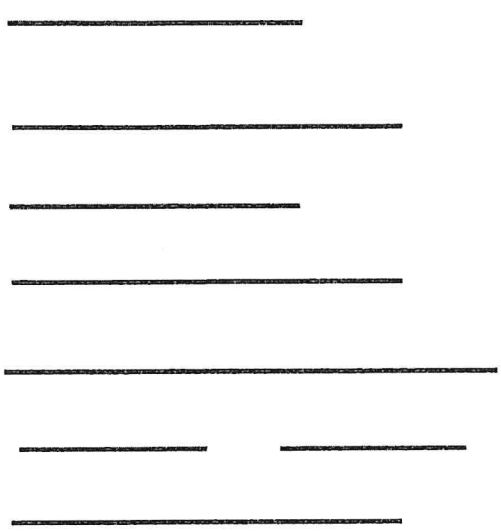
Math Assessment

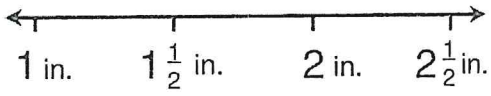
Performance Check

4.MD.4 Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Solve problems involving addition and subtraction of fractions by using information presented in line plots.

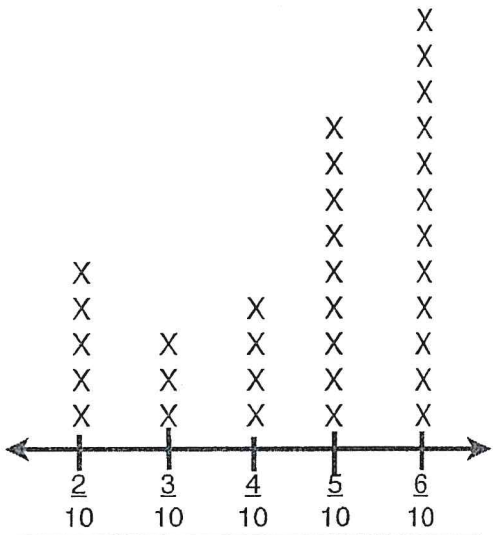
Name _____ Date _____

1. Kayla cut some ribbon up for a project. Make a line plot to show how many pieces of each length she has.





2. Mrs. Frank gave a math pretest. She recorded her students' test scores on the line plot below. How many more students got one half or more of the problems correct than students that missed over half?



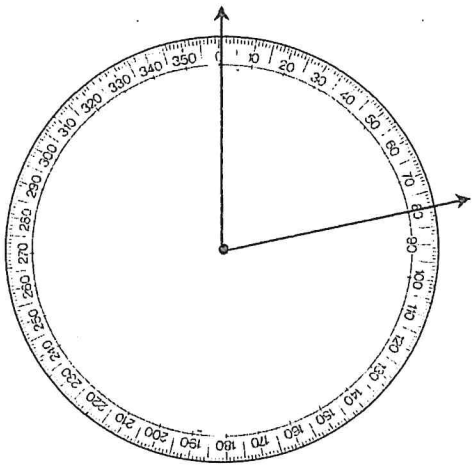
Math Assessment

Skills Check

4.MD.5 Recognize angles as geometric shapes that are formed wherever two rays share a common endpoint, and understand concepts of angle measurement.

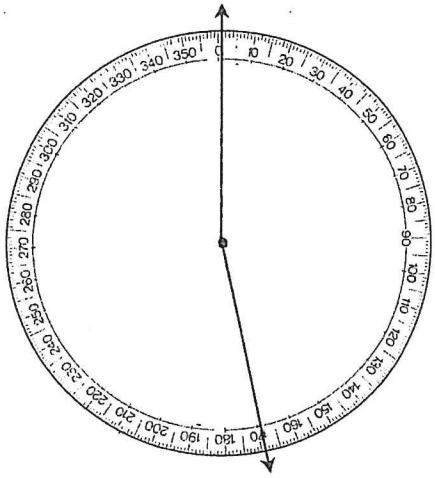
Name _____ Date _____

1. Tell the measure of the angle in degrees.



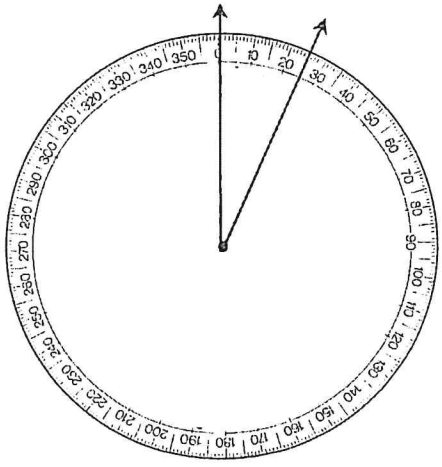
_____

2. Tell the measure of the angle in degrees.



_____

3. Tell the measure of the angle in degrees.



_____

4. Tell the measure of the angle in degrees.

_____

Math Assessment

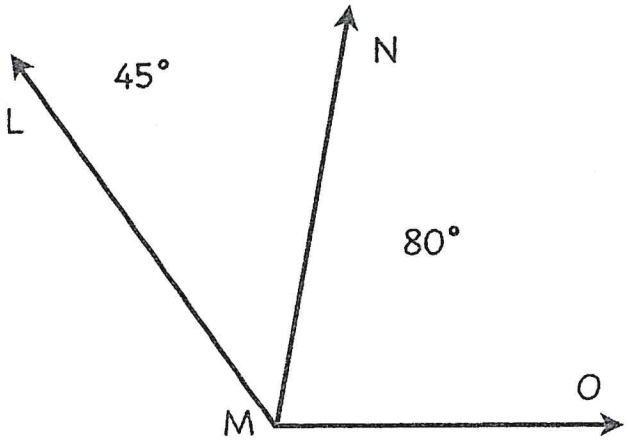
Skills Check

4.MD.7 Recognize angle measure as additive. When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the angle measures of the parts. Solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems, e.g., by using an equation with a symbol for the unknown angle measure.

Name _____ Date _____

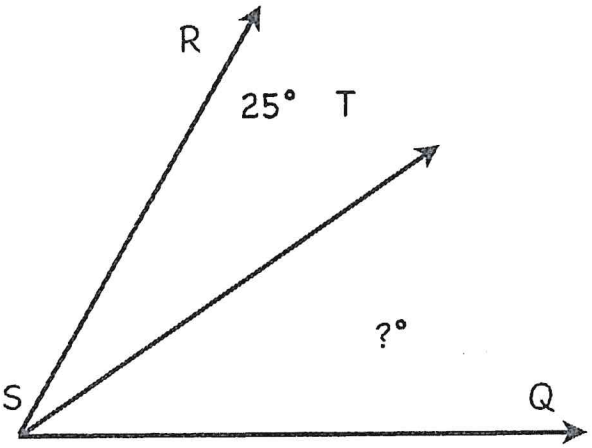
1. Find the measurement of ∠LMO.

_____ 125



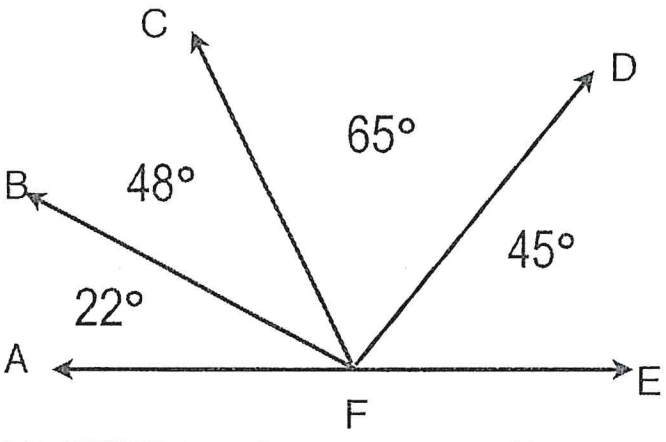
2. If ∠RSQ measures 60°, what is the measure of ∠TSQ ?

_____



3. Find the measurement of ∠CFE.

_____



4. If ∠TUV measures 125° what is measure of ∠WUV?

_____