5.1 ROUNDING DECIMALS

1.) When rounded to the nearest hundredth, which of the following decimals would round to 740.39?
    A) 740.398   B) 740.391   C) 740.382   D) 740.139

2.) What is 476.367 rounded to the nearest whole number? _476

3.) True or False? 6.675 rounded to the nearest hundredth is 6.67.
    ____false_____

4.) Circle all the numbers that could be rounded to 5.48.

    5.486   5.477   5.409   5.482   5.475

5.2a EQUIVALENT FRACTIONS AND DECIMALS

1.) Paul needs $\frac{1}{2}$ quart of oil in his car. Which of the following amount is equivalent to $\frac{1}{2}$ quart?
    A) 0.25   B) 0.50   C) 0.75   D) 0.12

2.) Which decimal is equivalent to the fraction $\frac{4}{5}$?
    A) 0.50   B) 0.8   C) 0.45   D) 0.4

3.) Write the fraction (in simplest form) that is equivalent to 0.6.
    $\frac{3}{5}$

5.2b COMPARE/ ORDER FRACTIONS AND DECIMALS

1.) Which set of decimals is correctly ordered from greatest to least?
    A) 0.25, 0.53, 0.8, 0.78, 0.6   B) 0.78, 0.53, 0.25, 0.8, 0.6
    C) 0.8, 0.53, 0.6, 0.78, 0.25   D) 0.8, 0.78, 0.6, 0.53, 0.25

5.2b COMPARE/ ORDER FRACTIONS AND DECIMALS

2.) Circle the number(s) below that would fit in the blank to make it true.

$$1.35, 1\frac{1}{2}, \underline{\hspace{1cm}}, 1.75$$

$1\frac{2}{3}$ 1.25   1.7 $1\frac{5}{6}$ 1.51

3.) Which set of fractions is listed in order from least to greatest?

A) $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{3}{4}$ B) $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{3}{4}$ C) $\frac{1}{3}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}$ D) $\frac{3}{4}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$

5.3a PRIME/ COMPOSITE NUMBERS

1.) Name the number that is neither prime nor composite. _1_____

2.) A prime number can be best described as...
   A) a number with more than 2 factors
   B) a number with exactly 2 different factors
   C) a number that always has an even number
   D) a number that always has an odd number

3.) Circle all of the prime numbers. 2, 3, 5, 7, 11, 13, 17, 19, 23, 29

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30		

5.3b ODD/ EVEN NUMBERS

1.) Numbers that are divisible by 2 are _even_____ . (odd or even)

2.) Which digit could be found in the ones place of an odd number?
   A) 0   B) 1   C) 2   D) 4

3.) Name 5 even numbers. _answers vary_____

5.4 +, -, ×, and ÷ Word Problems- Calculator is allowed

1.) Cody was in charge of collecting eggs every morning. He collected a total of 87 eggs. Each egg carton will hold 12 eggs. How many egg cartons will he need? __8_____

2.) There are 120 students in the 5th grade at KGES. For Field Day, the students were put into groups of no more than 8. What is the minimum number of groups 5th Grade would have? __15____

3.) The seats on the right side of the school bus seat 2 students each. The seats on the left side of the school bus can seat 3 students. There are 14 rows of these seats. In the 15th row (the very back seat), 6 students can fit.   How many students can ride the bus at one time (not including the bus driver)? __76__

4.) Roberto and David kept track of how many times they walked the track after the school for the month of April. Roberto walked 124 times around the track. David walked 4 times as much as Roberto. How many laps did David walk? __496 laps_____

5.) If 96 markers are divided evenly among 8 baskets, how many markers will be in each basket? _12_____

6.) Haven has 29 stickers to share with her 8 friends. How many stickers will each friend get if each friend gets the same amount? _3_ Haven keeps what is leftover. How many stickers does Haven get? __ 5__

7)   Seven friends share 32 ounces of soda evenly. How much will each friend get? $4\frac{4}{7}$ or 4.571

8)   There are 62 band members going on a field trip to Kings Dominion. They are taking cars and each car can hold 5 people (not including the driver).   What is the minimum number of cars needed to take every band member? (none of the band members can drive).   13

5.5a X and ÷ of Decimals (No Calculator) Plus + and – Decimals
Do work on another piece of paper.

1.) 16.4 ÷ 4 = ___4.1_____   2.) 78.02 ÷ 2 = ___39.01___

3.) 27.5 x 3 = ____82.5__   4.) 243.09 x 5 = _1215.45

5.) 745.2 x 0.5 = __372.6   6.) 134.07 + 25.3 = 159.37_

7.) 913.23 + 72.99 = _986.22 8.) 14.6 ÷ 0.5 = _29.2

9.) 700 -43.7 = 656.3__   10.) 95.43 – 2.784 = _92.646__

5.5b Multi-step Problems involving +, -, x, and ÷

1.) Kennedy wants to find out how much his Pokémon collection of 60 cards is worth. 12 of his cards are worth $5.99. 10 of his cards are worth $4.50. The remaining cards are worth $0.99. How much is his whole collection worth? 144.60

2.) Corey wants to buy a new record player and 8 records. The record player is on sale for $129.99. The records are $9.99 each. Corey already has $50. How much more money does he need to buy the record player and all of the records? _____159.91_____

3.) Steve is shopping for items he needs for flag football. His parents gave him $150 to spend. His cleats cost $79.99, his gloves cost $29.99, and his mouth guard cost $9.50. All of the items includes tax. How much money will have left over? __$30.52____

4.) King George Elementary School sells an average of 953 student lunches and 49 adult lunches per day. The student lunches cost $2.25 and the adult lunches cost $3.50. How much money does KGES collect per day for lunches? 2144.25 + 171.5 = 2315.75

5.6a + and - fractions

1.) Sandy needs 3 cups of sugar for her recipe. She has $\frac{1}{8}$ cup from the one container and $1\frac{3}{4}$ cup from the second container. How much more does she need? ____$1\frac{1}{8}$_____

2.) Adam and Jason are sharing a pie. Adam ate $\frac{3}{8}$ of the pie. Jason ate $\frac{1}{4}$ of the pie. How much of the pie was eaten? ___$\frac{5}{8}$_____

3.) Mary wanted to bake some brownies. She needs $\frac{3}{4}$ cup of flour and $\frac{1}{2}$ of sugar. How much more flour does she need than sugar?
_____$\frac{1}{4}$_____

4.) Wendy is getting readying for a marathon. She ran $1\frac{3}{4}$ miles on Monday, $2\frac{1}{4}$ miles on Wednesday, and $2\frac{1}{2}$ miles on Friday. How many miles did she run? _____$6\frac{1}{2}$_____

5.) $5\frac{1}{4} + 2\frac{3}{8} =$ ___$7\frac{5}{8}$_____   6.) $5 - 3\frac{2}{8} =$ ___$1\frac{3}{4}$_____

7.) $7\frac{6}{7} + 6\frac{1}{2} =$ ___$14\frac{5}{14}$_____   7.) $6\frac{1}{5} - 4\frac{9}{10} =$ ___$1\frac{3}{10}$_____

5.6b Multiplying a Whole Number by a Fraction

1.) If 9 children bring in $\frac{1}{3}$ of a bag of candy for the class party, how many bags will there be? _____3_____

2.) $8 \times \frac{1}{4} =$ _2_____   3.) $12 \times \frac{3}{4} =$ _____9_____

4.) $6 \times \frac{2}{3} =$ ___4_____   5.) $12 \times \frac{3}{6} =$ ___6_____

5.7 Order of Operations

1.) Using the order of operations, which calculation should be done first to simplify this expression?

31 + 17 × (10 + 26) ÷ 3

A) 17 × 10   B) 26 ÷ 3   C) 31 + 17   D) 10 + 26

2.) Which shows the next step to solve this expression?

2 × 8 – 4 ÷ 4

A) 16-4 ÷ 4   B) 2 × 4 ÷ 4   C) 2 × 8 – 1   D) 10 – 4 ÷ 4

3.) What is the value of this numerical expression? **42 ÷ 6 × (5 + 3)**
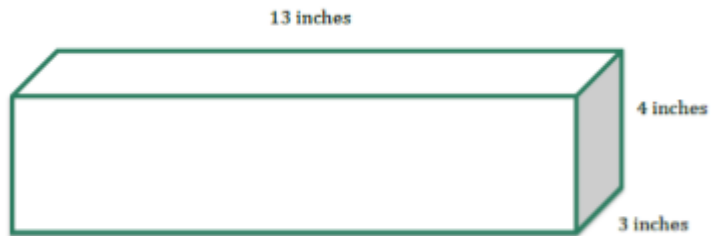
A) 56   B) 43   C) 33   D) 38

4.) What is the value of this numerical expression? 5 × (4×6) – 15 ÷ 3

_____115_____

5.8a Perimeter, Area, Volume

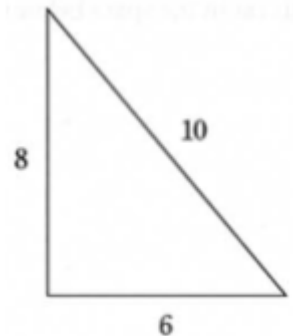1.) What is the volume of the box below? _____156 cubic inches_

13 inches

4 inches

3 inches

2.) What is the area and perimeter of the rectangle below?

Area= _55 sq in_____   Perimeter = _____32 in_____

5 in

11 in
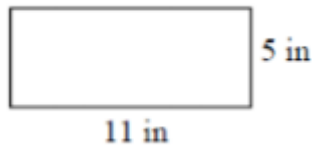
3.) Find the area and perimeter of the triangle.

Area = _24 sq u_____ Perimeter = _24 u__

10

8

6

5.7b Perimeter, Area, Volume Situations

1.) Janet is making her mom a Mother's Day card. She needs 12 inches of ribbon to make the border of the card. She had to find the _____ to figure out how much border she needed.

2.) Chase is filling up his fish tank with water. In order to do this, he needs to know the __volume_____ of the tank.

3.) My mom is putting up wall paper in the dining room. She needs to find the _area_____ of the wall to know how much to buy.

4.) What is the difference between finding the are of a rectangle and a triangle? _____divide by 2 for triangle____

5.9ab Metric System

1.) How many meters are in 1 Kilometer? _1000__   4 KM? 4000

2.) How many grams are in 5 Kilograms? _5000____   6 KG? 6000___

3.) There are __8____ centimeters in 80 millimeters?

4.) Which could be the unit used to measure the height of a giraffe?
A) Grams   B) Liters   C) Meters   D) Ounces

5.) Which measurement would be used to measure amount of water in a kitchen sink?
A) Grams   B) Liters   C) Meters   D) Ounces

6.) Measure to the nearest cm. _____

←———————————————————→

5.10   Circle

1.) The circumference of a circle...
A) passes through the circle   B) is half the diameter
C)   is the perimeter of a circle   D) is the center of the circle

2.) Destiny measured the diameter of her hula hoop at 35 inches.
What is the radius? ___17.5 in_____

3.) Label using the words from the box.

$\overline{AF}$ Chord _____
$\overline{BD}$ Diameter_____
C_ Center _____
$\overline{DC}$_ Radius _____
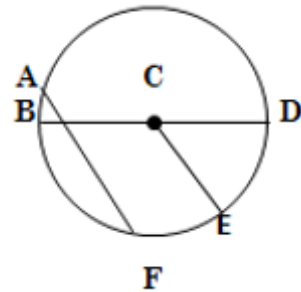
| Diameter | Chord | Radius | Center |

5.11 Elapsed Time

1.) Josh went to his friend's house to spend the night. He spent 16 hours and 22 minutes there. If he left at 11:15 am the next morning, what time did he arrive at the house? ___6:53 pm

2.) When Mr. Mac pulled into the parking garage to park his car, the time stamped on his ticket was 10:12 am. The car was left in the garage for 7 hours 31 minutes. What time did he pick up his car?
A) 5:43 am   B) 4:43 pm   C) 5:42 pm   D) 5:43 pm

3.) A race started at 12:16 pm. The first person to cross the finish line came in at 1:22 pm. How long did it take the first person to reach the finish line?
A) 1 hour, 6 minutes   B) 2 hours, 38 minutes
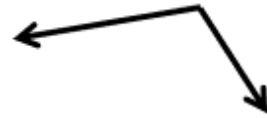C) 2 hours, 6 minutes   D) 13 hours, 38 minutes

5.12 Measure and Identify Angles

1)_____ 142⁰ _____   2) _____ 57⁰ _____   3) __ 115⁰ _____
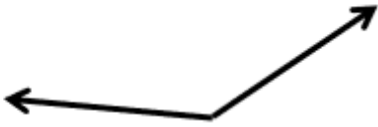
Directions: Fill in the blanks using the words from the box below.

| Right   Acute   Obtuse   Straight |

4.) A(n) __right_____ angle is exactly 90°.

5.) This type of angle is less than 90°. ___acute_____

6.) A(n) _straight_____ angle is exactly 180°.

7.) The type of angle the measures more than 90° is ___obtuse___

5.13ab Triangles

1.) This triangle has an angle measuring 90°. What type of triangle is this?
A) Acute   B) Right   C) Obtuse   D) Congruent

2.) If a triangle has 2 congruent sides, this would be a(n) _____ triangle.
A) Scalene   B) Isosceles   C) Right   D) Equilateral

3.) Which combinations describe this triangle?
A) scalene, obtuse
B) equilateral, acute
C) Isosceles, right
D) Scalene, acute
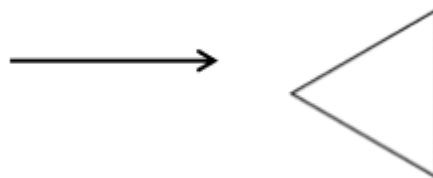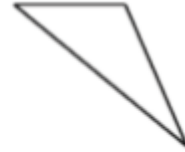
5.13ab Triangles Continued

4.) And 5.) Label the tringles as either scalene or isosceles.

Isosceles

scalene

_____   _____

6.) Find the missing angle's measurement. (do not use a protractor)

__110⁰_____

35⁰   ?   35⁰
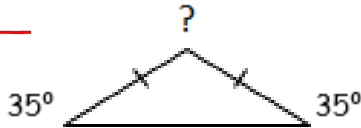
5.14 Transformations

Use the following words to fill in the blanks: reflection, rotation, translation.

1.) When a figure slides, it is using the movement _translation_____.

2.) When a figure turns, it is using the movement _rotation_.

3.) When a figure flips, it is using the movement __reflection_.

4.) What movement is made below? _reflection_____
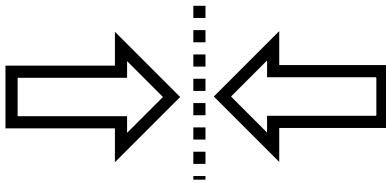
5.) What two shapes are being made when cut on the diagonal line?
_triangle, trapezoid_____

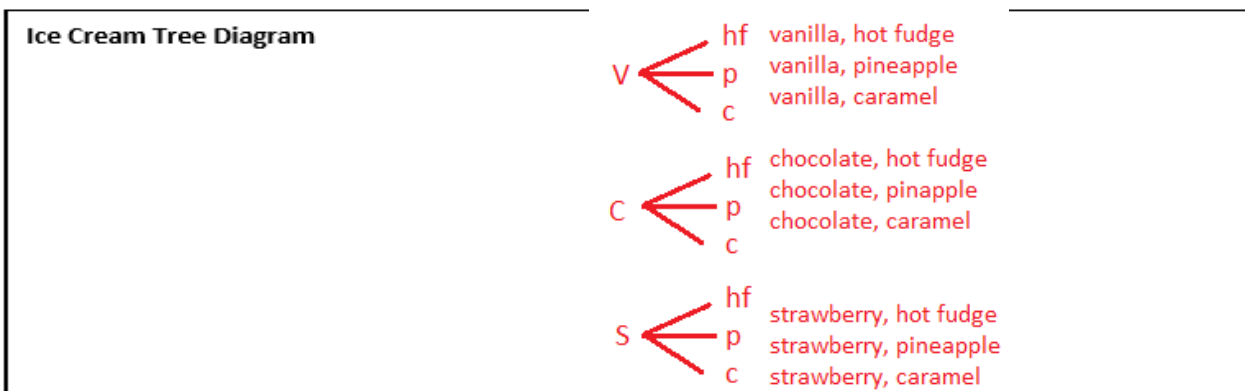## 5.15 Sample Space, Tree Diagrams, Probability Outcomes

1.) Carl has a black pencil, a yellow pencil, and a brown pencil. He also has a baseball eraser, a basketball eraser, and a football eraser. How many different combinations of pencils and erasers can Carl make?

A) 2   B) 6   C) 3   D) 9

2.) Samantha is serving ice cream treats at her party. She has vanilla, chocolate, and strawberry ice cream. For toppings she has hot fudge, pineapple, and caramel sauces. Draw a tree diagram that shows the possible outcomes of ice cream treats Samantha can make with 1 ice cream flavor and 1 sauce.

Ice Cream Tree Diagram

V → hf   vanilla, hot fudge
       p   vanilla, pineapple
       c   vanilla, caramel

C → hf   chocolate, hot fudge
       p   chocolate, pinapple
       c   chocolate, caramel

S → hf   strawberry, hot fudge
       p   strawberry, pineapple
       c   strawberry, caramel

5.16 Stem and Leaf/ Line Plots

1.) The chart shows the number of words Mr. Kellen's 5th graders can type per minute. Construct a stem and leaf plot to display the data.

24 35 45 18 20 31 20 19 17 39 25 33 40 19

Mr. Kellen's Fifth Grade Students Type Per Minute Stem and Leaf

Stem	Leaf
1	7 8 9 9
2	0 0 4 5
3	1 3 5 9
4	0 5

5.16 Stem and Leaf/ Line Plots Continued

2.) Mrs. Jones' class took a survey on the number of books they read over summer break. The data is in the chart below. Construct a line plot using the data in the chart below.

# of Books Read	# of Students
5	3
6	5
7	4
8	5
9	5
10	2

Title: Number of Books that Students Read

```
      x           x   x
      x    x      x   x
  x   x    x      x   x
  x   x    x      x   x   x
  x   x    x      x   x   x
————————————————————————————————
  5   6    7      8   9   10
```

Each X represents One student

5.17 Mean, Median, Mode, Range

1.) Using the data from the line plot above, find the :

Mean ___7.4_____

Median ___7_____

Mode ____6, 8, 9_____

Range ____5_____

5.17 Mean, Median, Mode, Range Continued

2.) A list of 5 test scores were: 60, 67, 73, 63, and 67. Find the following:
 A) Mean __66_____   B) Median __67_____
 C) Mode _67_____   D) Range __13_____

3.) Seven people were asked how many miles they lived from school. The responses were: 15, 7, 14, 21, 5, 9, and 13. Find the following:
A) Mean __12_____   B) Median __13_____
C) Mode ____none_____   D) Range __16_____

4.) Between numbers 2 and 3 above, which set of data has the highest variation in range? _____3_____

5.18 Patterns

IN	OUT
2	8
3	12
?	16
5	?

1) What is the rule for the chart to the left? ____x4_____

2) If 16 is Out, what is In? __4____

3) If 5 is In, what is Out? ___20____

What is the RULE?	
IN	OUT
5	80
2	32
6	96

4) What is the rule for the chart to the left? ___x16_____

5) If 7 were In, what would be Out? ___112____

5.19 Algebra

1.) In the sentence 3r=33, the letter r represents –
A) A multiplication symbol   B) a multiplication problem
C) A number sentence   D) an unknown number

2.) If the variable J represent a number, which means "5 more than a number"?
A) J-5   B) J + 5   C) J x 5   D) J ÷ 5

3.) Pick the correct sentence: 7 boxes, each containing the same number of apples, totaled 84 apples in all.
A) 7 + a = 84   B) 7- a = 84   C) 7a = 84   D) 7 ÷ a = 84

4.) Dorothy ate 4 times the number of cookies her brother Ben ate. Ben ate 3 cookies. Which number sentence can be used to find out the number of cookies Dorothy ate?
A) c= 4 x 3   B) c = 4 ÷ 3   C) c = 4 + 3   D) c = 4 - 3

5.) Which can be solved using the sentence K + 5 = ?
A) May did 5 times as many sit ups as Katy. If K's the number of sit ups Katy did, how many sit ups did May do?
B) Joan ran 5 fewer meters than Keith. If K is the number of meters Keith ran, how many meters did Joan run?
C) Kevin takes 5 minutes to run each lap around the gym. If K is the number of laps Kevin ran, how long did he run?
D) Sharon did 5 more push ups than Kathy. If K is the number of push ups Kathy did, how many push ups did Sharon do?

6.) Create a problem for the sentence 15 + x = 22.

_____

_____

_____