FSA MATH REVIEW
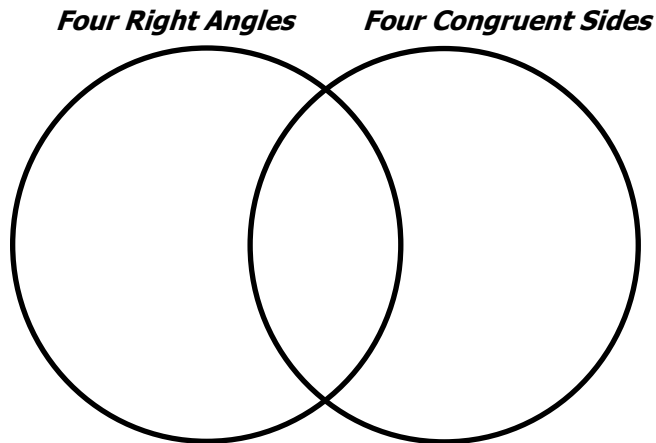
1) Which of the following digits make this ROUNDING statement **TRUE**?
   Select all that apply.

   $$6.\square23 = 6.5$$

   ☐ 1   ☐ 4   ☐ 7   ☐ 0

   ☐ 2   ☐ 5   ☐ 8

   ☐ 3   ☐ 6   ☐ 9

2) Complete the Venn Diagram using the following words: ***square, rhombus, rectangle***

   Four Right Angles   **Four Congruent Sides**

3) Five friends share 3 popcorn boxes at the movies. What fraction of popcorn does each friend receive?

4) Sam makes a batch of cookies in 1/5 hour. How many batches can he make in 2 hours?
   Draw a model to justify your answer.

5) **What is the missing value?**

   $\square$ x 10 = 246.58

6)   24,116
   X   15
  361,□40

What is the missing digit?

7) Sarah bought 13.5 feet of new fabric to sew a quilt. She needs a total of 14.5 yards of fabric to finish the project. How many more feet of fabric must she buy?

8) ½ ÷ 5 = □

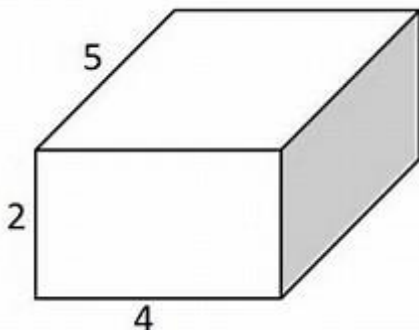9) What is the expanded form of the decimal 8.63?

10) 3.25 x 10 = □

11) 0.25 = 10 x □

12) If Molly has ¾ of a quart of water and uses ¾ of it to make slime, how much water did Molly use?

13) What is the volume of the fish tank below?

_____ **cubic units**

14) Danny wants to run a 5 mile race for charity. If each lap is 1/3 of a mile, how many laps will Danny need to run to finish the race? ***Create an equation and solve.***

15) Sandra is following the recipe below to create a fruit salad for lunch. So far, she has used 4 oranges in the bowl.

Fruit salad recipe:

   1/3 oranges

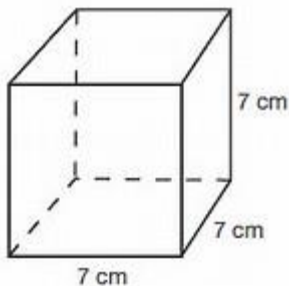   *1/6 apples*

   ½ watermelon

How many fruits will Sandra use in all? _____

16) The Miami Kidney Foundation is setting up their annual 2.5 km walk around Bayfront Park. If the volunteers set up a flag every 100 meters, how many flags will they put up around the park?

17) What is the volume of this cube?

_____ **cubic centimeters**

18) **Evaluate**.

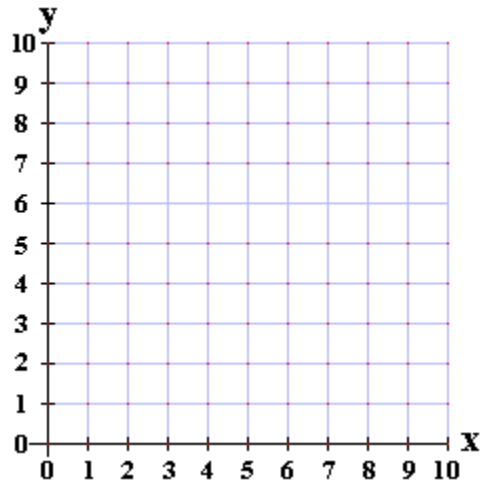   3 + (2 x 4 + 5) x 3 = _____

19) Finish the pattern below.
    Then, graph the corresponding points on the grid.

1	2	3	4	8
3	4	5	6	?

20) **Multiply**.

21) What is the standard form of the number below?

22) Name 3 possible measurements for a rectangular prism with a volume of 30 cubic feet?

LENGTH [   ]   **WIDTH** [   ]   **HEIGHT** [   ]

23) 3.68 X 10   =   _____

24) Danny has 300 feet of lumber to make new flower planters. Each planter requires 30 feet of lumber to make. If Danny sells each planter for $12, how much money will Danny make?

$_____

25) Emelie and John are creating number sequences. Emelie's first term is 6 and follows the rule: add 5. John's first term is 4 and follows the rule: multiply by 2. ***Which number in their patterns will be the same?***

26) **Find the quotient**.

27) Which numbers show the digit 7 ***ten times greater*** than the other?

☐ 0.77
☐ 707
☐ 77,000
☐ 7.7

28) Name a quadrilateral whose opposite sides are congruent and equal. _____

29) If Shelf A measures 51 meters and Shelf B measures 1.7 kilometers, **_what is the difference in length between the two shelves?_**

_____ meters

30) Jackie ate 1/8 of the chocolate cake. Her friends also ate some of the cake. If the total amount of cake eaten was 3/5, how much cake did Jackie's friends eat?

31) Find the **_perimeter_** of the rectangle.

1.36 in

1.24 in

_____ **inches**

32) Group A and B both have the same number of students. Group A has 15 students. 1/3 of the students in Group B are boys. **How many students in Group B are boys?**

_____ **boys**

33) Phil serves his dog, Goliath, 1 2/3 cup of dry food and 3/7 cup of wet food daily. How much dog food in total does Goliath eat each day?

_____ **cups**

33) Jasmine has 20 chocolate chip cookies she would like to share with her class. If she cuts each cookie into fourths, how many pieces does she have to share with her classmates?

PART A: *Write the equation that matches this situation.*

PART B: *Solve the problem for the number of pieces of cookie Jasmine will have to share with her classmates.*

_____ pieces

35) **Round each number to the *tenths* place.**

12.561	
10.712	
13.563	
9.961	

36) **Write the standard form of *eight and twenty-five hundredths*.** _____

37) Mrs. Del Carmen gave each table of students 9 sheets of colored paper. If each table has four students, what is the greatest amount of paper each student will receive?
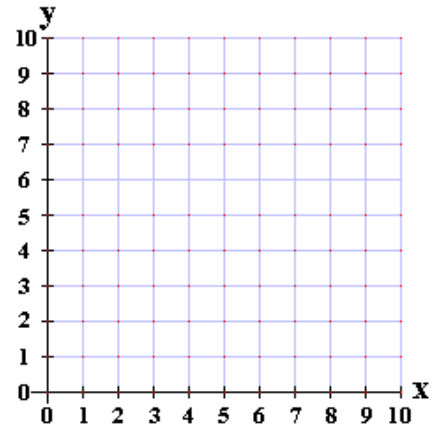
_____ **paper**

38) **True or False.**

T	F	A rectangle is ALWAYS a square.
T	F	A rhombus is ALWAYS a parallelogram.
T	F	A trapezoid is ALWAYS a parallelogram.
T	F	A square is ALWAYS a rhombus.

39) **PART A:** Plot a point located 5 units to the right of the origin.

PART B: Write the ordered pair for the point plotted in Part A.

40) Taylor and Kamila are making hair bows in their favorite colors. Taylor has 13 yards of purple ribbon and Kamila has 16 feet of green ribbon. How much more ribbon does Taylor have than Kamila?

_____ **ft of ribbon**

41) Mario buys 60 new paint brushes from Home Depot to paint his house. He separates the new brushes EVENLY into 6 buckets. At the end of the first day of painting, he used all the brushes in 3 of the buckets. **Write an equation to help you solve the number of brushes Mario used for painting.**

Equation	**Number of brushes**

42) Mr. Plumadore is making new jump ropes for us to use during recess. Each jump rope needs 7 5/12 feet of twine. If makes 6 jump ropes, *how much twine will Mr. Plumadore use?*

_____ **ft of twine**

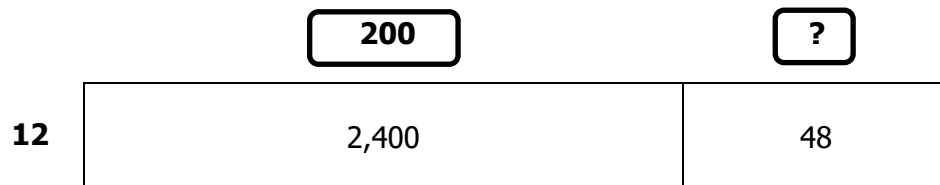43) Translate the words into an expression.

Add ten and two, then multiply by five.

44) Use the diagram and distributive property to find the missing number and quotient.

200	?

12	2,400	48

Missing number: _____

Quotient:_____

45) **Find the area.**

2 ¾ ft

4 ½ ft   _____ **sq. ft**

46) An office printer takes between ½ to ¾ of a minute to print one page. If Bob is using the printer, what is a reasonable amount of time (*in seconds*) for him to print 6 pages?

_____ seconds
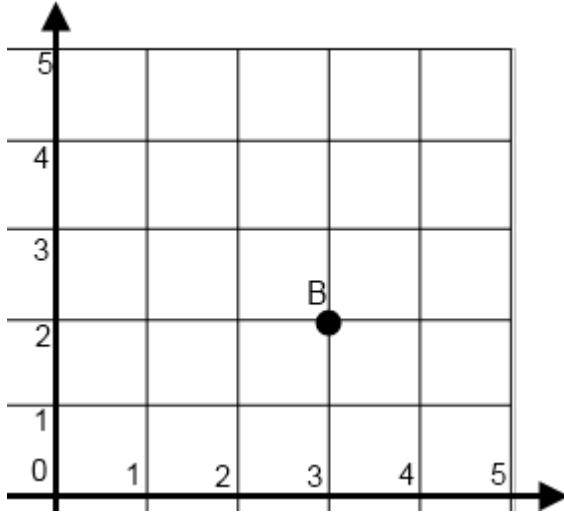
47) What is the missing exponent?

6790 ÷ 10$^{\square}$ = 67.90

48) **8.56 X 10² =** ⬚
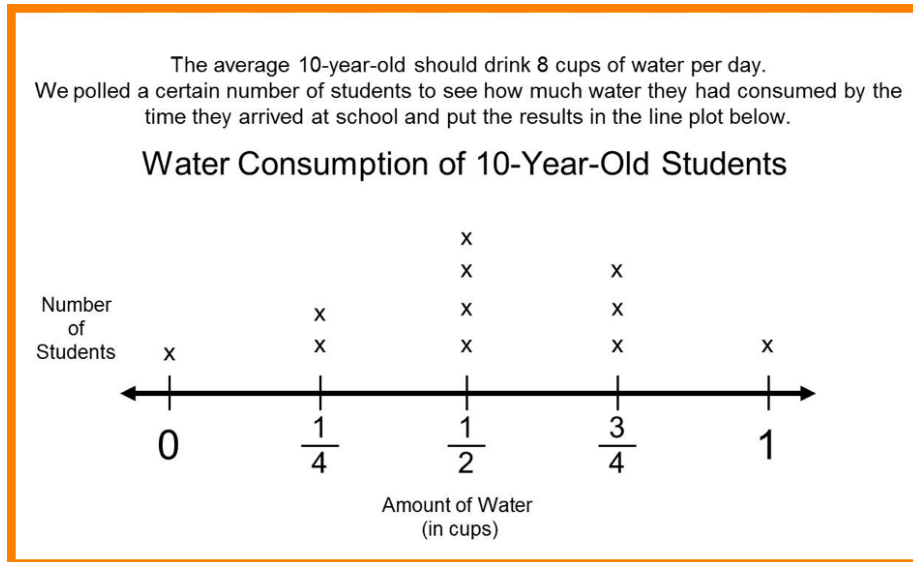
49) Select the appropriate x-coordinate and y-coordinate for Point B.

X	Y
☐ 1	☐ 1
☐ 2	☐ 2
☐ 3	☐ 3
☐ 4	☐ 4

50)

The average 10-year-old should drink 8 cups of water per day.
We polled a certain number of students to see how much water they had consumed by the time they arrived at school and put the results in the line plot below.

Water Consumption of 10-Year-Old Students

Amount of Water
(in cups)

PART A: How many students surveyed drank less than ¾ cup of water? _____

PART B: What is the TOTAL amount of water consumed by all students surveyed? _____