Date: _____

6th Grade Practice Sheet 19

Show all work - NO CALCULATORS!

1. Order from least to	6. Order from least to
greatest.	greatest.
$\frac{1}{2}, \frac{1}{4}, \frac{2}{3}, \frac{3}{8}$	$\frac{2}{3}, 0.111, 25\%, \frac{32}{100}$
2 Order from least to	7 Order from least to
greatest	greatest
7.710, 7.700, 7.007, 7.040	0.85, 82%, 0.87, $\frac{84}{100}$
3. What is the <u>radius</u> of a	8. What is the
circle with an area of $25\pi in^2$?	circumference of a circle with a <u>radius</u> of 7 cm? <u>Give your answer in</u> terms of pi.
4. Simplify the quotient.	9. Simplify the
1.764 divided by 0.07	quotient. 357 divided by 0.007
5. Simplify the quotient.	10. Simplify the
$6\frac{2}{9}$ and $6\frac{2}{3}$	quotient. $7\frac{1}{2}$ and $1\frac{3}{4}$

11. One mile is 5280	16. If you had 7 cake
feet. How many feet are	mixes and 2 frosting
there in 3.5 miles?	colors, how many different cakes could you make?
	a) 5 b) 9 c) 14 d) 49
12 If you left your	17 How many
house at 3.15 pm and	different 1-topping
arrived at 6:25 pm. How many hours did you	pizzas could you order if you could choose from
travel?	10 toppings and 3 types of crust?
	a) 7
	b) 13
	c) 30
	d) 45
12 A pointing is 0 fact	18 How many
hy 11 feet Which	different outfits
choice is congruent?	could you have if you could choose from 5 pants
	and 4 shirts?
a) 34 in. \times 60 in.	a) 9
b) 61 in. × 97 in.	b) 10
c) 82 in. \times 108 in.	c) 15
d) $108 \text{ in} \times 132 \text{ in}.$	d) 20
14 At age 5 Patrick is	19 These are the
31 inches tall. How	choices for ice
many feet and inches is that?	cream cones: 2 types of cones. 3 flavors. How
	many different combinations could you make?
	a) 2
	b) 3
	c) 5
	d) 6
15 Find the product and	20 Find the product
simplify.	and simplify.
2 1	3 1
$1\frac{1}{3}$ and $1\frac{1}{4}$	$\frac{1}{8}$ and $1\frac{1}{3}$

Be sure to show how you made your choice.

- 21) A mother holds her newborn baby on the scale with her. The scale reads 135.8 pounds. When she stands alone on the scale, the scale reads 126.4 pounds. What equation shows the weight of the baby?
 - a. 135.8b = 126.4b. $\frac{135.8}{b} = 126.4$ c. 135.8 - b = 126.4d. 135.8 + b = 126.4

Use the illustration on the right for questions 22 & 23: 22) Which two triangles are congruent?

- a. I and II
- b. I and V
- c. III and V
- $d. \ \ IV \ and \ V$
- 23) Which two triangles are similar, but not congruent?
 - a. I and IV
 - b. II and III
 - c. III and V
 - d. I and II

24) Which of the following is similar to Figure A?



25) Barry is 63 inches tall. What is Barry's height in feet?

- a. 6.3 feet b. 6.25 feet
- c. 5.5 feet d. 5.25 feet





26) Kendra used 40 ounces of carrots to make soup. How many pounds of carrots did Kendra use?

a.
$$1\frac{2}{3}$$
 pounds
b. $2\frac{1}{2}$ pounds
c. $2\frac{2}{3}$ pounds
d. $3\frac{1}{3}$ pounds

27) The area of a circle is 49π cm². What is the diameter of the circle?

- c. 14cm d. 28cm
- 28) Corey works for a landscaping company. On Tuesday, he fertilized 4 lawns. He used $2\frac{1}{3}$ bags of fertilizer for each lawn. How much fertilizer did Corey use?

a.
$$9\frac{1}{3}$$
 bags
b. $6\frac{1}{3}$ bags
c. $8\frac{1}{3}$ bags
d. $2\frac{1}{3}$ bags

29) Mario is multiplying two decimal numbers. His work so far is shown below. What should Mario do in order to complete his work correctly?

$$45.36 \\ \times 0.07 \\ 31752$$

- a. Place the decimal in the product between the 3 and the 1.
- b. Place the decimal in the product between the 1 and the 7.
- c. Place the decimal in the product between the 7 and the 5.
- d. Place the decimal in the product between the 5 and the 2.
- 30) The paper that Tracy uses to print reports is $\frac{1}{2}$ as thick as the paper she uses to print photographs. Each sheet of paper that she uses to print photographs is 0.0076 inches thick. How thick, in inches, is each sheet of paper that she uses to print reports?

a. 0.00152	b. 0.0152
c. 0.0038	d. 0.038