

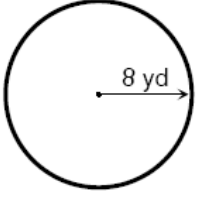
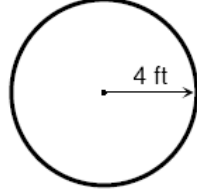
Name: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
(Parent Signature)

## 6<sup>th</sup> Grade Practice Sheet 23

Show all work - **NO CALCULATORS!**

1. Compare using $<$ , $>$ , or $=$ .	Write your answer in the blank.	6. Compare using $<$ , $>$ , or $=$ .	Write your answer in the blank.
$62\% \quad \underline{\hspace{2cm}} \quad \frac{5}{8}$		$\frac{1}{3} \quad \underline{\hspace{2cm}} \quad 30\%$	
2. Compare using $<$ , $>$ , or $=$ .	Write your answer in the blank.	7. Compare using $<$ , $>$ , or $=$ .	Write your answer in the blank.
$0.9499 \quad \underline{\hspace{2cm}} \quad 95\%$		$\frac{37}{50} \quad \underline{\hspace{2cm}} \quad 74\%$	
3. Find the <u>area</u> in terms of pi. Give the unit too.		8. Find the <u>circumference</u> in terms of pi. Give the unit too.	
			
4. Find the quotient.		9. Find the quotient.	
$25.242 \div 3$		$34 \div 0.02$	
5 Find the quotient.		10. Find the quotient.	
$2\frac{1}{4} \div \frac{3}{4}$		$7\frac{1}{5} \div 8$	

11. Simplify using the distributive property.		16. Evaluate the expression.	
$3(x + 12)$			$\frac{1}{2}(7)(4) + 6(5)$
12. Simplify using the distributive property.		17. Evaluate the expression.	
$5(20 + 3y)$			$\frac{1}{2}(8^2) + 3(7)$
13. Simplify using the distributive property.		18. Evaluate the expression.	
$12(5 - n)$			$12(6) + 3.14 \cdot 2^2$
14. Simplify using the distributive property.		19. Evaluate the expression.	
$8(t + 3) - 13$			$3 + 9 \times 2.3$
15. Find the sum.		20. Find the difference.	
$-33 + 48$			$32 - (-21)$

**Be sure to show how you made your choice.**

Use the table for #21 –24

Name	Weight
Susie	8.7 pounds
Josie	7.2 pounds
Brandon	7.12 pounds
Ellie	7.02 pounds
Samuel	8.59 pounds
Maddi	8.48 pounds

21) Which baby's weight would read seven and two tenths pounds?

- a. Josie
- b. Brandon
- c. Ellie
- d. none of the babies

22) Which is NOT a value equal to the amount Maddi weighed at the time of her birth?

- a.  $\frac{212}{25}$  pounds
- b.  $8\frac{36}{75}$  pounds
- c.  $8\frac{48}{1000}$  pounds
- d.  $8\frac{12}{25}$  pounds

23) Which is NOT a value equal to the amount Josie weighed at birth?

- a.  $7\frac{1}{5}$  pounds
- b.  $7\frac{2}{100}$  pounds
- c.  $\frac{72}{10}$  pounds
- d.  $7\frac{2}{10}$  pounds

24) List the siblings in order of birth weight from the baby with the **highest** birth weight to the baby with the **lowest** birth weight.

- a. Susie, Maddi, Samuel, Josie, Brandon, Ellie
- b. Josie, Brandon, Ellie, Maddi, Samuel, Susie
- c. Susie, Samuel, Maddi, Josie, Brandon, Ellie
- d. Ellie, Brandon, Josie, Susie, Samuel, Maddi

25) Peter followed the rise and fall of 3 different stocks. One day all 3 stocks rose. Stock A rose  $\frac{5}{7}$  of a point. Stock B rose  $\frac{3}{4}$  of a point. Stock C rose  $\frac{5}{6}$  of a point. What list is ordered from the **smallest** increase to the greatest increase?

a.  $\frac{3}{4}, \frac{5}{6}, \frac{5}{7}$

b.  $\frac{5}{6}, \frac{5}{7}, \frac{3}{4}$

c.  $\frac{5}{7}, \frac{5}{6}, \frac{3}{4}$

d.  $\frac{5}{7}, \frac{3}{4}, \frac{5}{6}$

26) If there are 1,200 calories in 8 oz. of ice cream, how many calories are in 3 oz. of ice cream?

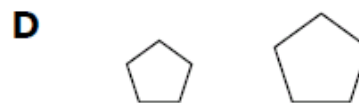
a. 50 calories

b. 240 calories

c. 320 calories

d. 450 calories

27) Which pair of shapes appears to be similar but not congruent?



28) Solve.  $(7 + 9 + 8 \div 4 - 1 \times 2) \times 2$

a. 4  
c. 32

b. 12  
d. 68

29) What is the first step in simplifying the expression  $5 - 4(3 + 1)^2$ ?

a. subtract 4 from 6  
c. add 3 and 1

b. multiply 4 and 3  
d. square the sum

30) Simplify:  $5 - 4(3 + 1)^2$

a. -69  
c. -35

b. -59  
d. -23