

Name: _____

Date: _____

(Parent Signature)

6th Grade Practice Sheet 21Show all work - ***NO CALCULATORS!***

<p>1. Order from least to greatest.</p> $\frac{43}{50}, 0.91, \frac{7}{8}, 84\%$		<p>6. Order from least to greatest.</p> $\frac{2}{3}, \frac{2}{6}, \frac{7}{10}, \frac{4}{9}$	
<p>2. Order from least to greatest.</p> $0.15\%, \frac{3}{20}, 0.015$		<p>7. Order from least to greatest.</p> $\frac{1}{2}, \frac{3}{8}, \frac{3}{4}, \frac{7}{8}$	
<p>3. Find the <u>circumference</u> of a circle with a <u>radius</u> of 1.5 cm. Give your answer in terms of pi. Give the units as well.</p>		<p>8. Find the <u>radius</u> of a circle with a <u>circumference</u> of 19π m. Give the units.</p>	
<p>4. Find the quotient of.</p> $18.2 \text{ and } 1.4$		<p>9. Find the quotient of</p> $21.643 \text{ divided by } 2.3$	
<p>5. Simplify the quotient.</p> $25 \text{ divided by } 1\frac{1}{4}$		<p>10. Simplify the quotient.</p> $\frac{3}{4} \text{ and } 4$	

<p>11. Evaluate</p> $8 \div (1 + 3) \times 5^2 - 2$		<p>16. Add & give answer in largest units.</p>	<p>_____ hr. _____ min.</p> $\begin{array}{r} 4 \text{ hr. } 40 \text{ min.} \\ + 1 \text{ hr. } 50 \text{ min.} \\ \hline \end{array}$
<p>12. Evaluate</p> $3^3 + 8 - 16$		<p>17. Add & give answer in largest units.</p>	<p>_____ min. _____ sec.</p> $\begin{array}{r} 3 \text{ min. } 50 \text{ sec} \\ + \quad \quad 30 \text{ sec} \\ \hline \end{array}$
<p>13. Evaluate</p> $54 \div 9 + 6 \times 3^2 - 10$		<p>18. Find the difference.</p>	<p>_____</p> $\begin{array}{r} 5 \text{ min } 35 \text{ sec} \\ - 4 \text{ min } 42 \text{ sec} \\ \hline \end{array}$
<p>14. Evaluate</p> $10(28 - 23) + 7^2 - 37$		<p>19. Give your answer in quarts.</p>	<p>_____ quarts</p> $\begin{array}{r} 15 \text{ qt } 3 \text{ pt} \\ + 9 \text{ qt } 5 \text{ pt} \\ \hline \end{array}$
<p>15. Write the fraction as a decimal.</p> $\frac{9}{40}$		<p>20. Write the fraction as a decimal.</p> $\frac{17}{20}$	

Be sure to how you made your choice.

21) Angela reads about 30 pages each night. About how long will it take her to read a book that has 357 pages?

- a. 10 days
- b. 12 days
- c. 2 weeks
- d. 1 month

22) Which shapes will always be similar?

- a. two squares
- b. two triangles
- c. two pentagons
- d. two parallelograms

23) Simplify: $50 - \frac{7}{2} \times 6$

- a. 4
- b. 29
- c. 129
- d. 279

24) Point K is located $(-3, 8)$ on a coordinate plane. In which quadrant is point K located?

- a. quadrant IV
- b. quadrant III
- c. quadrant II
- d. quadrant I

25) A bag of suckers costs \$2.76 and there are 12 suckers in the bag, how much does each sucker cost?

- a. \$0.13
- b. \$0.18
- c. \$0.23
- d. \$0.34

26) Of the 200 students surveyed, 125 picked math as their favorite subject. What percent chose math as their favorite subject?

- a. 12.5%
- b. 25.0%
- c. 55.4%
- d. 62.5%

27) If ground beef costs \$4.99 per pound, what is the cost of $2\frac{3}{4}$ pounds?

a. \$1.81

b. \$11.48

c. \$11.98

d. \$13.73

28) If Dorothy drank $\frac{1}{4}$ of a 2 liter bottle of soda, how much did she drink?

a. $\frac{1}{2}$ liter

b. 1 liter

c. $1\frac{1}{2}$ liters

d. 2 liters

29) Complete the T-chart by filling in the missing place.

a. 5

b. 8

c. 10

d. 14

n	$2n^2$
1	2
4	32
	200
15	450

30) Find the pattern in the sequence. What are the next four numbers: 7, 12, 9, 14, 11, 16?

a. 11, 16, 9, 14

b. 13, 18, 15, 20

c. 15, 20, 17, 22

d. 21, 18, 23, 20