

Name: _____

(Parent Signature)

Date: _____

6th Grade Practice Sheet 21

Show all work

1. Solve the equation. $25 = 5m$		6. Solve the equation. $4.8 = n - 1.5$	
2. Solve the equation. $7.2 = \frac{m}{3}$		7. Solve the equation. $2.16 = 3w$	
3. Which choice best represents the height of a flag pole? a) 9 kilometers b) 9 millimeters c) 9 meters d) 9 centimeters		8. The volume of a bathroom sink would most likely be: a) 8 milliliters b) 8 liters c) 8 kiloliters d) 8 grams	
4. Find the quotient of: (Show all work, no calc.) $18.2 \text{ and } 1.4$		9. Find the quotient of: (Show all work, no calc.) $21.643 \text{ and } 2.3$	
5. Simplify the quotient. $25 \text{ and } 1\frac{1}{4}$		10. Simplify the quotient. $\frac{3}{4} \text{ and } 4$	

<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>	$\begin{array}{r} 5 \text{ min } 35 \text{ sec} \\ - 4 \text{ min } 42 \text{ sec} \\ \hline \end{array}$
<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 and percent.</p> $\frac{9}{40}$		<p>20. Write the fraction as a decimal and a percent.</p> $\frac{17}{20}$	

Be sure to how you made your choice.

21) If the prime factorization of a number expressed in exponential form is $3^2 \times 5$, what is the number?

- a. 30 b. 45
c. 95 d. 325

22) Look at the pattern below. What is the eighth term in this pattern?

1, 5, 9, 13, ...

- a. 17 b. 23
c. 29 d. 31

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

- 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) Evaluate: $8 \cdot 3^2 + 5 \cdot 12 - \frac{6}{2}$

- a. 77 b. 129
c. 633 d. 3483

26) Which choice best represents the height of a 2 story home?

- a. 12 km b. 12mm
c. 12cm d. 12m

27) Four friends played a game. At the end of the game, their scores were -8, -2, 1, and -3. What is the lowest score?

- a. -8 b. -2
c. 1 d. -3

28) Mr. Lopez bought several types of meat for a party. The amount, in pounds, of each type he bought is shown in the table. Which is closest to the total amount of meat Mr. Lopez bought?

- a. 7 lbs b. 8 lbs
c. 10 lbs d. 12 lbs

Meats

Type	Amount (pounds)
ham	2.53
pastrami	0.44
turkey	3.61
roast beef	1.49
salami	1.92

29) Ms. Jones wrote this rule on the board, “a number, n , increased by eighteen”. Which expression represents the rule Ms. Jones wrote on the board?

- a. $n + 18$ b. $n - 18$
c. $n \cdot 18$ d. $n \div 18$

30) What is the value of this numerical expression?

$$3.27 + 4.06 \cdot 2 - (3.19 - 0.18)$$

- a. 11.65 b. 11.29
c. 8.38 d. 8.02