

Name: _____

(Parent Signature)

Date Due: _____

6th Grade Practice Sheet 7Show all work - **NO CALCULATORS!**

<p>1. Write the fraction as a decimal.</p> $\frac{5}{7}$		<p>6. Place the sign ($<$, $>$, $=$) to make each statement true.</p> <p>Justify your answer.</p> $2\frac{3}{4} \text{ ____ } 2.7$	
<p>2. Write the fraction as a decimal.</p> $\frac{2}{9}$		<p>7. Place the sign ($<$, $>$, $=$) to make each statement true.</p> <p>Justify your answer.</p> $5.4 \text{ ____ } 5\frac{2}{5}$	
<p>3. Write the decimal as a mixed number fraction.</p> <p>9.52</p>		<p>8. Write each percent as a fraction in simplest form.</p> 60%	
<p>4. Write the decimal as a mixed number fraction.</p> <p>4.75</p>		<p>9. Write each percent as a fraction in simplest form.</p> 35%	
<p>5. Find the sum.</p> $5\frac{5}{6} \text{ and } 2\frac{2}{9}$		<p>10. Find the difference.</p> $3\frac{1}{3} \text{ and } 1\frac{2}{9}$	

<p>11. Write the fraction as a percent.</p> $\frac{8}{20}$		<p>16. Find the LCM.</p> <p>12 & 18</p>	
<p>12. Write the fraction as a percent.</p> $\frac{3}{4}$		<p>17. Find the GCF.</p> <p>14 & 35</p>	
<p>13. Order from least to greatest.</p> $0.57, \frac{3}{4}, 20\%, \frac{1}{6}$		<p>18. Solve</p> <p>10% of 50</p>	
<p>14. Order from least to greatest.</p> $\frac{5}{8}, 0.623, \frac{2}{3}, 60\%$		<p>19. Solve</p> <p>25% of 12</p>	
<p>15. Jo is making a xylophone. So far, he has bars that are 1.75 feet, $1\frac{7}{12}$ feet, and $1\frac{2}{3}$ feet long. What is the length of the longest bar?</p>		<p>20. 0.4 of the people surveyed said their favorite food was pizza, 25% said it was hot dogs, and $\frac{3}{10}$ said it was popcorn. Order these from least to greatest.</p>	

Be sure to show how you made your choice.

21) Which list contains only numbers that are multiples of 6?

- a. 1, 2, 3, 6
- b. 1, 6, 12, 18
- c. 6, 12, 18, 24
- d. 12, 18, 24, 32

22) On John's test he had to solve the following expression: $12(3+5)$. He had four options to pick from. Which one of the four is correct?

- a. $15 + 17$
- b. $36 + 5$
- c. $36 + 60$
- d. $15 + 5$

23) Which of the following lists shows all the factors of number 32?

- a. 2, 4, 8, 15, 32
- b. 1, 2, 4, 8, 16, 32
- c. 2, 3, 6, 7, 9, 18, 32
- c. 2, 4, 8, 16

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

25) The library surveyed 180 people about their favorite type of movie. If 40% of the people chose action, how many people chose action?

- a. 180 people
- b. 140 people
- c. 72 people
- d. 40 people

Passage for questions 26 and 27: *Use the information below to answer the following questions.*

The class used a set of numbered cards to play a game. Each card had one digit on it. The cards can be used in different ways depending on the creator's rules of the game.

26) Debra used the cards to make the Least Common Multiple Game. Players had to use two cards and find the least common multiple of these two numbers. Debra had a special rule: the 1 card cannot be used in the game. The player with the smallest least common multiple would be declared the winner. Which two numbers below would have won Debra's game?

- a. 3 and 8
- b. 3 and 9
- c. 6 and 8
- d. 6 and 3

27) Eva used the numbers to make the Greatest Common Factor (GCF) Game. Each student had to make two numbers that had common factors and give their greatest common factor. The winner is the player with the greatest common factor. Which of the choices below would win the GCF Game?

- a. 63 and 18
- b. 16 and 18
- c. 68 and 16
- d. 98 and 91

28) Jim used $\frac{1}{4}$ pound (lb) of rice. Which is equivalent to the amount of rice Jim used?

- a. 0.14 lb
- b. 0.15 lb
- c. 0.25 lb
- d. 0.50 lb

29) Ms. Wohlberg wants to order the same number of pencils as pens. Pencils come in boxes of 18. Pens come in boxes of 12. What should she do to find an **equal** number of pencils and pens to order?

- a. find all common factors
- b. find the greatest common factor
- c. find the least common multiple
- d. find the prime factorization

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

- a. 30
- b. 53
- c. 60
- d. 75

x	$x^2 \times 3$
0	0
1	3
5	
10	300