

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

(Parent Signature)

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

**6<sup>th</sup> Grade Practice Sheet 5**Show all work - **NO CALCULATORS!**

<p>1. Write the fraction as a decimal.</p> $\frac{3}{8}$		<p>6. Place the sign (<math>&lt;</math>, <math>&gt;</math>, <math>=</math>) to make each statement true.</p> <p>Justify your answer.</p> $2\frac{4}{5} \text{ \_\_\_\_ } 2.45$	
<p>2. Write the fraction as a decimal.</p> $\frac{5}{2}$		<p>7. Place the sign (<math>&lt;</math>, <math>&gt;</math>, <math>=</math>) to make each statement true.</p> <p>Justify your answer.</p> $0.295 \text{ \_\_\_\_ } \frac{4}{40}$	
<p>3. Write the decimal as a mixed number fraction.</p> <p>2.36</p>		<p>8. In a survey, 6 out of 15 students named science as their Favorite class. Express this rate as a <b>decimal</b>.</p>	
<p>4. Write the decimal as a mixed number fraction.</p> <p>6.25</p>		<p>9. Mr. Brasche lives 0.85 mile from school. Write this distance as a fraction in simplest form.</p>	
<p>5. Find the sum.</p> $\frac{3}{5} \text{ and } \frac{5}{6}$		<p>10. Find the difference.</p> $\frac{4}{9} \text{ and } \frac{1}{3}$	

<p>11. Find the unit rate.</p> <p>\$35 in 5 weeks</p>		<p>16. Find the GCF.</p> <p>24 and 18</p>									
<p>12. Find the unit rate.</p> <p>48 points scored in 8 games</p>		<p>17. Find the LCM.</p> <p>12 and 20</p>									
<p>13. Find the unit rate.</p> <p>96 words typed in 3 minutes</p>		<p>18. Write the ratio is simplest form.</p> <p>450 calories for 9 cookies</p>									
<p>14. Complete the table.</p> <table border="1" data-bbox="240 1241 721 1377"> <tbody> <tr> <td><b>Cups of Flour</b></td> <td>7</td> <td>28</td> </tr> <tr> <td><b>Cups of Water</b></td> <td>4</td> <td>■</td> </tr> </tbody> </table>	<b>Cups of Flour</b>	7	28	<b>Cups of Water</b>	4	■		<p>19. Write the ratio is simplest form.</p> <p>15 suckers to 40 carrot sticks</p>			
<b>Cups of Flour</b>	7	28									
<b>Cups of Water</b>	4	■									
<p>15. Complete the table.</p> <table border="1" data-bbox="245 1644 630 1814"> <thead> <tr> <th><b>Campers</b></th> <th><b>Counselors</b></th> </tr> </thead> <tbody> <tr> <td>12</td> <td>1</td> </tr> <tr> <td>24</td> <td>2</td> </tr> <tr> <td>156</td> <td>■</td> </tr> </tbody> </table>	<b>Campers</b>	<b>Counselors</b>	12	1	24	2	156	■		<p>20. Fourteen boys and 21 girls will be equally divided into groups. Find the greatest number of groups that can be created if no one is left out.</p>	
<b>Campers</b>	<b>Counselors</b>										
12	1										
24	2										
156	■										

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

21) A swimming platform is 30 feet away from the shore. You swim  $\frac{3}{5}$  of the way to shore. How far did you swim?

- a. 9 feet
- b. 12 feet
- c. 18 feet
- d. 90 feet

22) Miranda gave 176 pieces of candy to 16 friends. Each friend received the same number of pieces. How many pieces of candy did each friend receive?

- a. 9 pieces
- b. 10 pieces
- c. 11 pieces
- d. 12 pieces

23) Ms. Assad was interested in auto racing and she presented the following information to her grade math class. The class rounded all of the speeds to the *nearest tenths place* and then ordered the years from slowest to fastest speed. Which year has the **fourth slowest** speed?

- a. 1993
- b. 1994
- c. 1997
- d. 1998

**Indianapolis 500 Auto Race  
Winning Speeds**

Year	Speed (mph)
1988	144.809
1989	167.581
1990	185.987
1991	176.460
1992	134.477
1993	157.207
1994	160.872
1995	156.616
1996	147.956
1997	145.827
1998	145.155

24) The ratio of cats to dogs seen by a veterinarian in one day is 2 to 5. If a vet saw 40 dogs in one day, how many cats did he see?

- a. 5
- b. 16
- c. 29
- d. 40

25) Four players are comparing their statistics after their basketball game is done. Floyd made 3 out of the 4 shots he took. Geraldo made 3 out of 6 shots. Hector made  $\frac{7}{8}$  of his shots, and Ivan made  $\frac{7}{10}$ . Which player made the **smallest** fraction of their shots?

- a. Floyd
- b. Geraldo
- c. Hector
- d. Ivan

- 26) The table shows the cost of different kinds of fruit. To the nearest cent, what is the cost of 3.5 pounds of grapes?

Fruit	banana	apple	orange	grapes
Cost per pound (\$)	0.60	1.89	0.99	1.00

- a. \$2.84                      b. . \$2.88  
c. . \$3.50                      d. . \$3.63

- 27) Which is the expanded form of  $5^3$  ?

- a.  $5 \cdot 5 \cdot 5$     b.  $5 + 5 + 5$   
c.  $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$                                       d.  $3 + 3 + 3 + 3 + 3$

- 28) One bus leaves a stop every 12 minutes. A second bus leaves the same stop every 18 minutes. If they both leave at 3:20 P.M., at what time will they next leave together?

- a. 3:32 P.M.                      b. 3:38 P.M.  
c. 3:50 P.M.                      d. 3:56 P.M.

- 29) The table shows the number of trees at Citrus Orchards. What is the ratio of orange trees to the total number of trees?

Citrus Orchard	
Trees	Amount of Trees
Lemon	30
Lime	14
Orange	12

- a.  $\frac{14}{3}$     b.  $\frac{3}{14}$   
c.  $\frac{12}{44}$     d.  $\frac{3}{11}$

- 30) Luke measured the height of several different people. He placed the data in a table. Which list represents the people from shortest to tallest?

Person	Height
John	4.275 ft
Lisa	4.050 ft
Mary	3.965 ft
Phillip	5.250 ft
Steven	5.085 ft

- a. Mary, Lisa, John, Steven, Phillip  
b. Mary, John, Lisa, Steven, Phillip  
c. Mary, Lisa, John, Phillip, Steven  
d. Mary, John, Lisa, Phillip, Steven