Name: _____

Date Due: _____

6th Grade Practice Sheet 10

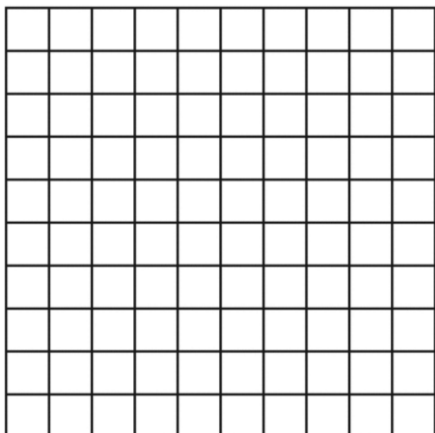Show all work - *NO CALCULATORS!*

1. Complete the following ratio table.	
<table><tr><td>X</td><td>Y</td></tr><tr><td>3</td><td>12</td></tr><tr><td>4</td><td></td></tr><tr><td></td><td>20</td></tr><tr><td>6</td><td>24</td></tr></table>	

6. Complete the following ratio table.	
<table><tr><td>X</td><td>Y</td></tr><tr><td>2</td><td>6</td></tr><tr><td>6</td><td></td></tr><tr><td>10</td><td></td></tr><tr><td>14</td><td>42</td></tr></table>	

2. Write the fraction as a decimal.

$$\frac{5}{12}$$

7. Place the sign $(<,>,=)$ to make each statement true.

$$\frac{7}{9}\underline{\hspace{1cm}}0.77$$

3. Write the decimal as a fraction.

0.250

8. Find the LCM of:

$9 \; and \; 15$

4. Write the fraction as a decimal

$$\frac{4}{7}$$

9. Find the GCF of:

$72 \; and \; 16$

5. Find the sum.

$3\frac{9}{10} \; and \; 5\frac{1}{4}$

10. Find the difference.

$12\frac{3}{5} \; and \; 3\frac{9}{10}$
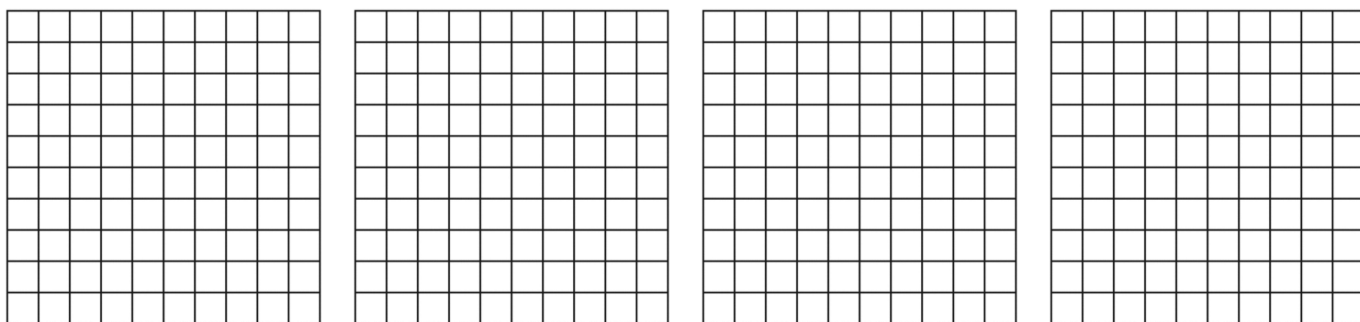
11. Find the product of: 16.235 *and* 9		16. Find the quotient of: 48.681 *and* 3	
12. Estimate the product of: 29.62 *and* 91.235		17. Estimate the quotient of: 163.5982 *and* 3.91	
13. The Martinez family drove 48.7 miles to the river. It took them 1.2 hours to get there. How fast did they drive? Round to the nearest whole number.		18. Yori has 14.25 cups of cupcake batter. If each cupcake uses 0.75 cup of batter, how many cupcakes can Yori make?	
14. Nikki is buying some refrigerator magnets for her friends. Her total bill is $16.80. If magnets are $0.80 each, how many magnets is she buying?		19. A model building is 3.4 feet tall. The actual building is 41.48 feet tall. How many times as great is the actual building as the model?	
15. Avery buys 9 balance beams. The balance beams all have the same price. She spends a total of $6,277.41. What is the cost of each balance beam?		20. Derek bought 7 glass beads. If each glass bead cost $5.65, how much did Derek spend in all?	

21) Draw an area model to represent $0.9 \cdot 0.7$

22) Use a visual model to represent $3.6 \div 0.3$

23) Ashton has 14.25 cups of cupcake batter. If each cupcake uses 0.75 cup of batter, how many cupcakes can Ashton make?

a)   19 cupcakes   b)   15 cupcakes
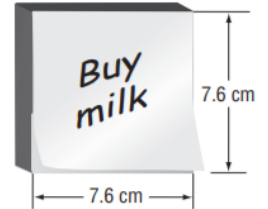
c)   11 cupcakes   d)   10 cupcakes

24) A package of four bottles of a sports drink costs $5.28. Find the cost per bottle.

a) $1.07   b) $1.32

c) $1.37   d) $1.70

25) A recipe calls for 0.75 of a cup of sugar. A chef is making an amount that is 0.5 of the recipe. How much sugar should the chef use?

a) .25 of a cup
b) .375 of a cup
c) 1.25 cups
d) 1.5 cups

26) Justin was estimating the area of the square sticky note shown. Which would be a reasonable estimate of the area of the note? Use A = lw.

a) 36 square centimeters
b) 49 square centimeters
c) 64 square centimeters
d) 72 square centimeters

27) Marlene purchased 20 stamps at the post office for $8.40. What is the cost of one stamp?

a) $0.41
b) . $1.68
c) $0.42
d) $2.38

28) Bartholomew went hiking over the weekend. He hiked all 4 trails in 3 hours. Which is the best estimate for the number of miles he hiked per hour?
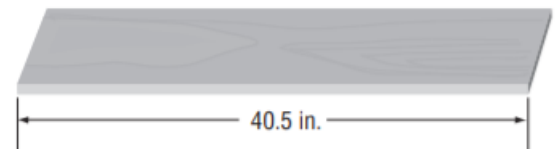
Trail	Length (mi)
Great Fork	1.7
Stoney Creek	0.8
Sippo Lake	2.6
Rock Falls	0.5

a) 2 miles
b) 15 miles
c) 3 miles
d) 18 miles

29) A model plane is 100 times smaller than an actual plane. The length of the model is 4.8 inches. What is the actual length of the plane?

a) 480 feet
b) 20 feet
c) 40 feet
d) 8 feet

30) Ignacio cut the board shown into 4.5 -inch pieces. How many pieces can he cut?

40.5 in.

a) 6
b) 7
c) 8
d) 9