

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

\_\_\_\_\_  
(Parent Signature)

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

**6<sup>th</sup> Grade Practice Sheet 2**Show all work - ***NO CALCULATORS!***

1. Write each fraction in simplest form:  $\frac{25}{35}$ $\frac{42}{60}$		6. Write each fraction in simplest form:  $\frac{12}{21}$ $\frac{18}{32}$	
2. Evaluate  $9 \times 7 + 3$		7. Evaluate  $56 \div 4 + 3$	
3. Find the GCF of:  $28 \text{ and } 42$		8. Find the GCF of:  $100 \text{ and } 75$	
4. Find the LCM of:  $25 \text{ and } 10$		9. Find the LCM of:  $9 \text{ and } 36$	
5. Find the sum:  $\frac{2}{3} + \frac{3}{5}$		10. Find of difference:  $\frac{7}{8} - \frac{4}{5}$	

<p>11. Find the sum of: 5392 and 797</p>		<p>16. Find the difference of: 67,322 and 48,721</p>	
<p>12. Find the product of: 29 and 36</p>		<p>17. Find the quotient of: 729 and 9</p>	
<p>13. A class has 8 boys to 14 girls. What is the ratio of boys to girls? Then explain the ratios meaning.</p>		<p>18. Divide 63 stuffed animals into two groups so the ratio is 11 to 10.</p>	
<p>14. Find the equivalent fraction.</p> $\frac{9}{20} = \frac{63}{\quad}$ $\frac{13}{25} = \frac{\quad}{100}$		<p>19. In a class of 30 students, the ratio of girls is <math>\frac{3}{5}</math>. How many boys are in the class?</p>	
<p>15. An animal shelter has 40 kittens and 24 puppies. What is the ratio of kittens to puppies? Explain the meaning.</p>		<p>20. There are 464 campers staying at a camp. There are 8 campers in each cabin. How many cabins are occupied? (Show your equation.)</p>	

**Show how you made your choice.**

21) The lunchroom prepares sandwiches for classes going on field trips. There are 5 classes going on field trips. Each class has 32 students. Which expression below shows the number of sandwiches that will be needed?

- a.  $5 + 32$                       b.  $5 \times 32$   
c.  $5 - 32$                       d.  $5 \div 32$

22) Which of the following lists shows all factors of the number 36?

- a. 1, 2, 3, 4, 6, 9, 12, 18, 36              b. 2, 2, 3, 3  
c. 36, 72, 108, 144                      d. 4, 9

23) The table lists the number of students from Windy Brook Middle School at the state fair. What is the ratio of sixth graders to the total number of students at the fair?

Students at the State Fair	
5th graders	6
6th graders	4
7th graders	5
8th graders	3

- A.  $\frac{9}{2}$                       B.  $\frac{14}{4}$   
C.  $\frac{4}{14}$                       D.  $\frac{2}{9}$

**For Exercises 24 and 25, what is each rate written as a unit rate?**

24) 6 miles in 2 hours

- A.  $\frac{6 \text{ mi}}{1 \text{ h}}$               B.  $\frac{4 \text{ mi}}{1 \text{ h}}$               C.  $\frac{3 \text{ mi}}{1 \text{ h}}$               D.  $\frac{1 \text{ mi}}{3 \text{ h}}$

25) 18 pounds for \$9

- A.  $\frac{2 \text{ lb}}{\$1}$               B.  $\frac{6 \text{ lb}}{\$1}$               C.  $\frac{1 \text{ lb}}{\$2}$               D.  $\frac{1 \text{ lb}}{\$6}$

**Passage for questions 26 to 27:** Cathy glued strips of wood together. One piece was  $\frac{3}{8}$  inches thick. Another piece was  $\frac{5}{8}$  inches thick. The last piece was  $\frac{2}{8}$  inches thick.

26) If she stacks all three pieces of wood on top of each other, how thick is the whole piece?

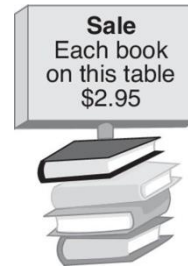
- a.  $\frac{3}{4}$  in.
- b.  $1\frac{1}{4}$  in.
- c.  $1\frac{1}{8}$  in.
- d.  $\frac{9}{20}$  in.

27) What is the difference in thickness between the  $\frac{3}{8}$  in. piece and the  $\frac{2}{8}$  in. piece?

- a.  $\frac{1}{4}$  in.
- b.  $\frac{3}{4}$  in.
- c.  $\frac{5}{8}$  in.
- d.  $\frac{1}{8}$  in.

28) Which is the **greatest** number of books that can be purchased with \$10?

- a. 2
- b. 3
- c. 4
- d. 5



29) In the first hour a newsstand was open, people bought 40 newspapers and 6 magazines. The newspapers sold for \$1 each and the magazines for \$3 each. How much did the newsstand make in that first hour?

- a. \$126
- b. \$60
- c. \$4
- d. \$58

30) The table shows the midday temperature for each of five days during one week last winter. Which lists the weekdays in order from the day with the lowest midday temperature to the day with the highest midday temperature?

- a. Friday, Wednesday, Tuesday, Thursday, Monday
- b. Tuesday, Wednesday, Friday, Thursday, Monday
- c. Friday, Tuesday, Wednesday, Thursday, Monday
- d. Tuesday, Friday, Wednesday, Thursday, Monday

**Midday Temperatures**

Day	Temperature (°F)
Monday	7
Tuesday	-2
Wednesday	-1
Thursday	4
Friday	0