

Name: _____

Date Due: _____

(Parent Signature)**6th Grade Practice Sheet 4**Show all work - ***NO CALCULATORS!***

| | | | |
|--|--|---|--|
| <p>1. Write the fraction as a decimal.</p> $\frac{11}{20}$ | | <p>6. Place the sign ($<$, $>$, $=$) to make each statement true.</p> <p>Justify your answer.</p> $1.25 \text{ --- } \frac{5}{4}$ | |
| <p>2. Write the fraction as a decimal.</p> $\frac{9}{10}$ | | <p>7. Place the sign ($<$, $>$, $=$) to make each statement true.</p> <p>Justify your answer.</p> $\frac{3}{10} \text{ --- } 0.32$ | |
| <p>3. Write the decimal as a fraction.</p> <p>0.75</p> | | <p>8. If 25 out of 30 students like pizza. Based on this sample, how many of 480 6th grade students don't like pizza?</p> | |
| <p>4. Write the decimal as a mixed number fraction.</p> <p>1.7</p> | | <p>9. While playing basketball, Joy made 90 shots in one hour.</p> <p>At the same rate how many shots would she make in 40 minutes?</p> | |
| <p>5. Find the sum.</p> $\frac{2}{3} \text{ and } \frac{3}{5}$ | | <p>10. Find the difference.</p> $\frac{7}{8} \text{ and } \frac{4}{5}$ | |

| | | | |
|--|--|---|--|
| <p>11. Find the difference.</p> <p>14.7 and $12\frac{2}{5}$</p> | | <p>16. Find the sum.</p> <p>$6\frac{19}{25}$ and 8.17</p> | |
| <p>12. Sean lives 2.25 miles from school. Write this distance as a fraction in simplest form.</p> | | <p>17. Kari ran 19 miles over three days. The first day she ran 7.4 miles, the second day she ran 5.1 miles. Write the amount she ran on day three as a fraction.</p> | |
| <p>13. In a survey 19 out of 25 students choose lunch as their favorite meal. Express this rate as a decimal.</p> | | <p>18. Luke bought 3 pounds of hamburger to grill for \$9.60. What is the cost per ounce of hamburger?</p> | |
| <p>14. Find the equivalent fraction.</p> <p>$\frac{7}{20} = \frac{\quad}{100}$ $\frac{\quad}{4} = \frac{75}{100}$</p> | | <p>19. Find the GCF.</p> <p>24 and 92</p> | |
| <p>15. Find the equivalent fraction.</p> <p>$\frac{9}{10} = \frac{90}{\quad}$ $\frac{14}{\quad} = \frac{56}{100}$</p> | | <p>20. Find the LCM.</p> <p>16 and 6</p> | |

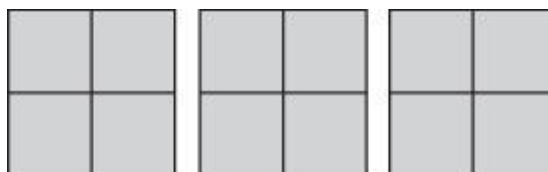
Show how you made your choice.

21) The frequency table shows the favorite college football teams of middle school students. What fraction of the students choose the Gators?

| Team | Tally | Frequency |
|----------|-------|-----------|
| Buckeyes | | 3 |
| Gators | | 6 |
| Sooners | | 5 |
| Tigers | | 2 |
| Lions | | 4 |

- a. $\frac{3}{20}$ b. $\frac{3}{10}$
 c. $\frac{1}{4}$ d. $\frac{6}{10}$

22) Which expression shows three groups of four?



- a. $4 + 3$ b. $4 - 3$
 c. $4 \cdot 3$ d. $4 \div 3$

23) John made $6\frac{1}{2}$ quarts of lemonade for the parent meeting. How many *pints* of lemonade is $6\frac{1}{2}$ quarts?

- a. $12\frac{1}{2}$ pints b. 13 pints
 c. $19\frac{1}{2}$ pints d. 26 pints

24) 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. $\frac{2}{9}$

25) Juan read 300 pages in 5 days. Which reading rate is equivalent?

- a. 150 pages in 3 days b. 105 pages in 1 day
 c. 120 pages in 2 days d. 100 pages in 3 days

26) Chantel counted 48 books on 6 shelves in the library. How many books would she expect to count on 12 shelves?

- a. 24 books
- b. 56 books
- c. 96 books
- d. 144 books

Passage for questions 27 to 29: Adam has a model train with 1 engine, 12 boxcars and 1 caboose. The engine is 143 mm long. Each boxcar is 118 mm long. The caboose is 152 mm long.

27) What is the length of the engine, one boxcar and the caboose with no space between them?

- a. 303 mm
- b. 313 mm
- c. 403 mm
- d. 413 mm

28) Adam received a gift of 5 passenger cars. Each passenger car measures 124 mm in length. What is the total length of the passenger cars?

- a. 520 mm
- b. 620 mm
- c. 720 mm
- d. 820 mm

29) What is the difference in size between a boxcar and the caboose?

- a. 34 mm
- b. 36 mm
- c. 44 mm
- d. 46 mm

30) One package of fruit drink contains 6 drinks. Which of the following lists the ordered pairs (packages, number of drinks) for 1, 2, 3, and 4 packages of fruit drinks?

- a. (6, 1), (12, 2), (18, 3), (24, 4)
- b. (1, 12), (2, 18), (3, 24), (4, 30)
- c. (0, 0), (1, 6), (2, 12), (3, 18)
- d. (1, 6), (2, 12), (3, 18), (4, 24)