

# 6.2

## Practice A

Tell which number is greater.

- 1.  $\frac{3}{4}$ , 70%
- 2.  $\frac{1}{2}$ , 0.54
- 3. 0.21, 21%
- 4.  $\frac{2}{3}$ , 66%
- 5. 0.482, 49%
- 6. 16%, 0.108
- 7.  $\frac{12}{25}$ , 48%
- 8.  $\frac{1}{10}$ , 12%
- 9. 1.2, 11%
- 10. 58%,  $\frac{31}{50}$
- 11. 5020%,  $50\frac{1}{4}$
- 12. 12.25%,  $\frac{1}{8}$

13. Describe and correct the error in comparing 0.7% and  $\frac{17}{25}$ .

✗

$$\frac{17}{25} = \frac{68}{100} = 0.68\%$$

0.7% is greater than 0.68%,  
so 0.7% is the greater number.

Use a number line to order the numbers from least to greatest.

- 14. 0.64,  $\frac{13}{20}$ , 63%
  - 15. 45%, 0.46,  $\frac{11}{25}$
  - 16. 0.12,  $\frac{1}{8}$ , 0.135, 13%
  - 17.  $\frac{15}{16}$ , 90%, 0.925,  $\frac{7}{8}$ , 0.93
  - 18.  $3\frac{2}{3}$ , 362%, 3.66,  $3\frac{3}{5}$ , 36
  - 19. 0.3, 27.3%,  $\frac{11}{40}$ , 28%, 0.27
20. You use 8 fluid ounces of fruit juice in a recipe to make 64 fluid ounces of fruit punch. A fruit punch you can buy at the store has 10% real fruit juice. Which has a higher percent of fruit juice?
21. While shooting baskets at a basketball hoop, you make 36 out of 80 shots. Your friend makes 43.75% of the shots. Who made a higher percent?
22. To earn a bonus in a video game, you must find at least 60% of the hidden gems. You find 25 out of 40 gems. Do you get the bonus? Explain.
23. The table shows the portion of students at a middle school that are in each grade. Order the grades from the least to the greatest number of students.

Grade	6	7	8
<b>Portion of students</b>	$33\frac{1}{3}\%$	0.3125	$\frac{17}{48}$