

## Practice 1-5

## Rational Numbers

Compare. Use  $<$ ,  $>$ , or  $=$ .

1.  $-\frac{2}{9} \square -\frac{4}{9}$

2.  $-\frac{1}{6} \square -\frac{2}{3}$

3.  $-\frac{5}{12} \square -\frac{3}{4}$

4.  $-1.2 \square -2.1$

5.  $-0.6 \square -0.52$

6.  $-1.23 \square -1.25$

7.  $-5.3 \square -5.\bar{3}$

8.  $-3\frac{1}{4} \square -3.25$

9.  $-4\frac{2}{5} \square -4.12$

Order from least to greatest.

10.  $\frac{5}{4}, 1.5, -\frac{3}{2}, -0.5$

11.  $\frac{1}{11}, -0.9, 0.069, \frac{1}{10}$

12.  $0.1\bar{2}, -\frac{11}{12}, -\frac{1}{6}, -0.1$

13.  $\frac{2}{3}, 0.6, -\frac{5}{6}, -6.6$

14.  $1.31\bar{2}, 1\frac{3}{8}, -1\frac{3}{10}, -1.33$

15.  $1, \frac{4}{5}, -\frac{8}{9}, -1$

Evaluate. Write in simplest form.

16.  $\frac{y}{z}$ , for  $y = -6$  and  $z = -20$  \_\_\_\_\_

17.  $\frac{2y}{-z}$ , for  $y = -5$  and  $z = -12$  \_\_\_\_\_

18.  $\frac{y+z}{2z}$ , for  $y = -4$  and  $z = 8$  \_\_\_\_\_

19.  $\frac{-2y+1}{-z}$ , for  $y = 3$  and  $z = 10$  \_\_\_\_\_

Compare.

20. The temperature at 3:00 A.M. was  $-17.3^\circ\text{F}$ . By noon the temperature was  $-17.8^\circ\text{F}$ . At what time was it the coldest?

\_\_\_\_\_

21. Samuel is  $\frac{5}{8}$  in. taller than Jackie. Shelly is 0.7 in. taller than Jackie. Who is the tallest?

\_\_\_\_\_