

Section 10.1 The Real Numbers

Tell which real number corresponds to the situation.

- 1) 454 feet below sea level
- 2) 9° below zero
- 3) 3-pound gain
- 4) Finding 74 cents

15) $4 \underline{\hspace{1cm}} 8$

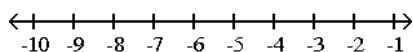
16) $\frac{4}{5} \underline{\hspace{1cm}} -1\frac{1}{4}$

17) $32 \underline{\hspace{1cm}} -83$

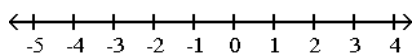
18) $\frac{4}{7} \underline{\hspace{1cm}} \frac{2}{3}$

Graph the numbers on the number line.

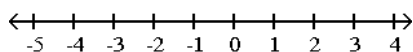
- 5) $-9, -7, -5, -3$



- 6) $-4.75, -2, 0, 2.25$



- 7) $-4\frac{2}{3}, -2, 0, 2\frac{2}{3}$



19) $-\frac{27}{64} \underline{\hspace{1cm}} -\frac{3}{7}$

20) $-11\frac{4}{7} \underline{\hspace{1cm}} -4\frac{5}{7}$

Find the absolute value.

21) $|-24|$

22) $|24|$

23) $|-5.551|$

24) $|-15.2|$

25) $\left| -2\frac{3}{4} \right|$

26) $\left| -\frac{5}{17} \right|$

27) $\left| \frac{0}{19} \right|$

Convert to decimal notation.

8) $-\frac{1}{8}$

9) $-\frac{7}{4}$

10) $-\frac{11}{10}$

11) $-\frac{1}{3}$

12) $-\frac{2}{15}$

13) $-\frac{17}{40}$

Insert $<$ or $>$ to make the statement true.

14) $-11 \underline{\hspace{1cm}} 0$