

1. The same rules for signs of integers are applied to rational numbers.

2.  $-\frac{5}{2}$       3. positive

4. negative    5. negative

6. positive



### Practice and Problem Solving

7.  $-\frac{4}{5}$

8.  $3\frac{1}{2}$

9. 0.25

10.  $-1\frac{3}{4}$

11.  $-\frac{2}{3}$

12. 1

13.  $-\frac{1}{100}$

14.  $\frac{2}{5}$

15.  $2\frac{5}{14}$

16.  $-1.25$

17.  $3.\overline{63}$

18. 0.23

19.  $-6$

20.  $-2.45$

21.  $-2.5875$

22.  $\frac{1}{3}$

23.  $-\frac{4}{9}$

24.  $2\frac{1}{2}$

25. 9

26.  $-0.012$

27. 0.025

28. 0.36

29.  $8\frac{1}{4}$

30.  $-4\frac{17}{27}$

31. The answer should be negative.  $-2.2 \times 3.7 = -8.14$

32. The wrong fraction was inverted.

$$\begin{aligned} -\frac{1}{4} \div \frac{3}{2} &= -\frac{1}{4} \times \frac{2}{3} \\ &= -\frac{2}{12} \\ &= -\frac{1}{6} \end{aligned}$$

33.  $-66^\circ$

34. 8 packages

35.  $-19.59$       36.  $1.3$
37.  $-22.667$       38.  $-4\frac{14}{15}$
39.  $-5\frac{11}{24}$       40.  $-1\frac{11}{36}$
41. *Sample answer:*  $-\frac{9}{10}, \frac{2}{3}$
42.  $191\frac{11}{12}$  yd
43.  $3\frac{5}{8}$  gal
44. See *Taking Math Deeper*.
45.  $-1.28$  sec
46. a.  $-0.02$  in.  
b. See Additional Answers.