ESSON

2.7

Review Vocabulary

absolute value, p. 23 solving an equation, p. 86

Decimal Operations *and* **Equations** *with* **Decimals**

BEFORE

Now

WHY?

You solved equations involving integers.

You'll solve equations involving decimals.

So you can find the speed of an airplane, as in Ex. 47.

2.7

Name

Practice A

For use with pages 102-107

1. Describe and correct the error in the solution.

$$-16.07 - (-30.91) = -16.07 + 30.91$$
$$= -14.84$$

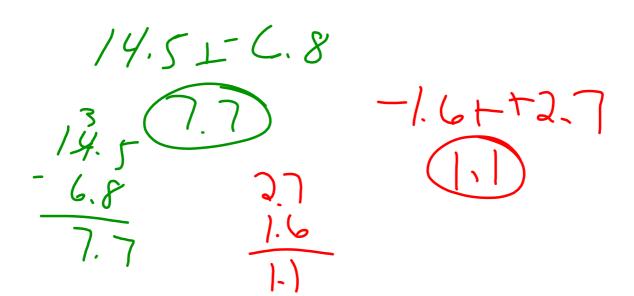
Perform the indicated operation.

3.
$$-10.7 + 6.3$$

4.
$$-11.1 + (-7.4)$$

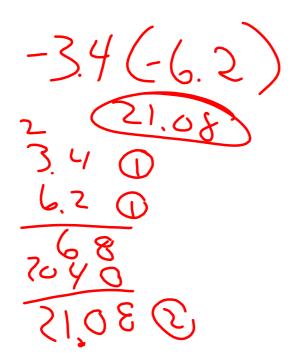
5.
$$14.5 + (-6.8)$$

6.
$$3.8 - 7.6$$



8.
$$-13.1 - 6.5$$

10.
$$-0.5(3.7)$$



14.
$$-24.5 \div 9.8$$

16.
$$-7.05 \div 4.7$$

Solve the equation. Check your solution.

17.
$$p + 0.4 = -1.7$$

18.
$$-8.3 + a = -11.2$$

19.
$$5.3 = f + 7.7$$

$$7.7 = (+1.77)$$
 $7.7 = (+1.77)$
 $7.7 = (-1.77)$
 $3.7 = (-1.77)$
 $3.7 = (-1.77)$
 $3.7 = (-1.77)$

20.
$$d - 12.4 = -4.1$$

21.
$$-15.2 = m - 10.9$$

20.
$$d - 12.4 = -4.1$$
 21. $-15.2 = m - 10.9$ **22.** $20.3 = t - (-3.9)$

23.
$$-6b = 55.2$$

24.
$$-4.2 = -5.6k$$

25.
$$22.94 = 7.4r$$

26.
$$\frac{v}{7.9} = -4$$

26.
$$\frac{v}{7.9} = -4$$
 27. $\frac{h}{0.6} = 1.7$

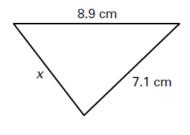
28.
$$-10.5 = \frac{c}{-3.2}$$

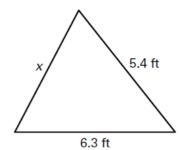
29. The total weight of 2 puppies is 15.03 pounds. One puppy weighs 9.8 pounds. How much does the other puppy weigh?

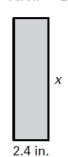
30.	At an amusement park, you spend \$7.40 on lunch and \$6.20 on admission
	Admission, lunch, and playing arcade games cost \$19. How much did you
	spend on arcade games?

Find the value of x for the given triangle or rectangle.

- **31.** Perimeter = 22.2 cm
- **32.** Perimeter = 17.8 ft
- **33.** Area = 20.16 in.^2







X = 20.16 X = 20.16

X= 20216 - 3360 240 - 40