

**Lesson**  
**3.2**
**Extra Practice**
**Find the sum.**

1.  $(p - 3) + (p - 7)$

$2p - 10$

3.  $(-3r + 8) + (5r - 1)$

$2r + 7$

5.  $(3c + 2) + (5.2c - 20)$

$8.2c - 18$

7.  $(-\frac{5}{6}y - 2) + (15 + \frac{7}{6}y)$

$\frac{1}{3}y + 13$

9. After a week of rain, tadpoles appeared in your pond. After  $t$  minutes, you have  $(7t + 5)$  tadpoles and your friend has  $(8t - 3)$  tadpoles.

- a. Write an expression that represents the number of tadpoles you and your friend caught together.

$(7t + 5) + (8t - 3) \quad 15t + 2$

- b. Who has more tadpoles after 9 minutes?

you  $7(9) + 5 = 68$

friend  $8(9) - 3 = 69$

friend

**Find the difference.**

10.  $(k + 3) - (3k - 5)$

$-2k + 8$

12.  $(11.4j - 7) - (-7.6j + 2)$

$19j - 9$

14.  $(7 - \frac{1}{3}t) - (-\frac{5}{3}t + 25)$

$1\frac{1}{3}t - 18$

11.  $(-6d + 2) - (7 + 2d)$

$-8d - 5$

13.  $(3.2x + 8) - (15.2x - 18)$

$-12x + 26$

15.  $(\frac{6}{7}w + 4) - (\frac{2}{7}w - 1)$

$\frac{4}{7}w + 5$

**MORE ON THE BACK - FLIP THE PAGE!!!**



16. The admission to a local fair is \$10.00 for each adult and \$6.00 for each child. Each ride costs \$1.50 for an adult and \$1.00 for a child.

- a. Write an expression that represents how much more an adult will spend at the fair when they go on  $r$  rides.

$$(10 + 1.50r) - (6 + 1r)$$

$$4 + 0.5r$$

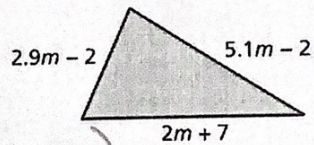
- b. An adult and a child each go on 7 rides. How much more did the adult spend?

$$10 + 1.50(7) = 20.5$$

$$6 + 1(7) = 13$$

$$20.5 - 13 = \$7.50$$

17. Write an expression that represents the perimeter of the triangle.



$$(2.9m - 2) + (5.1m - 2) + (2m + 7)$$

$$10m + 3$$