**Homework Practice**

***The Distributive Property***

**Find each product mentally. Show the steps you used.**

**1.** 8 × 34 **2.** 5 × 47 **3.** 12 ×

**4.** 8 × **5.** 6 × 4.4 **6.** 7 × 2.9

**Use the Distributive Property to rewrite each algebraic expression.**

**7.** 6(*n* + 4) **8.** 15(2 + *r*) **9.** 8(*s* + 5)

**10.** 3(*b* + 8) **11.** 5(6 + *b*) **12.** 9(3 + *v*)

**13.** 7(*r* + 7) **14.** 12(4 + *v*) **15.** 11(3 + *s*)

**16. MOVIES Use the table that shows the prices of tickets and various food items at the movie theater.**

|  |  |
| --- | --- |
| **Item** | **Price** |
| Ticket | $8.50 |
| Popcorn | $5.25 |
| Soda | $4.00 |
| Candy | $3.75 |
| Nachos | $6.50 |

**a.** Four friends each bought a ticket and a bag of popcorn. How much total money did they spend?

**b.** How much money will the movie theater make if a birthday party of 12 kids each buys a box of candy and a soda but does not go see a movie?

**c.** How much more money will a person spend who buys three orders of nachos than a person who buys three bags of popcorn?