

# Independent Practice

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 Evaluate each expression if  $m = 2$ ,  $n = 16$ , and  $p = \frac{1}{3}$ . (Examples 1–6)

1.  $m + 10$  \_\_\_\_\_

2.  $n \div 4$  \_\_\_\_\_

3.  $m + n$  \_\_\_\_\_

4.  $6m - 1$  \_\_\_\_\_

Show your work.

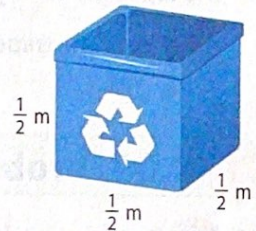
5.  $3p$  \_\_\_\_\_

6.  $12p$  \_\_\_\_\_

7.  $12m - 4$  \_\_\_\_\_

8.  $9p^2$  \_\_\_\_\_

9. A paper recycling bin has the dimensions shown. Use the expression  $s^3$ , where  $s$  represents the length of a side, to find the volume of the bin. Write your answer in cubic meters. (Example 7)



10. **CCSS Model with Mathematics** Refer to the graphic novel frame below for Exercises a–b.

Center	
<b>Admission</b>	<b>Cost</b>
Adults (ages 19+)	\$12.50
Youth (ages 2-18)	\$7.50
<b>Admission and Movie Pass</b>	<b>Cost</b>
Adults (ages 19+)	\$18.50
Youth (ages 2-18)	\$13.50
<b>Family Night Prices (After 5 P.M. on Friday)</b>	<b>Cost</b>
Individual Admission (all ages)	\$7.00
Individual Movie Pass (all ages)	\$7.50

- a. What is the total cost for one individual admission and one individual movie pass on Family Night? \_\_\_\_\_
- b. The expression  $14.50x$  can be used to find the total cost for  $x$  tickets on Family Night for admission and the movie. What is the cost for 3 tickets? \_\_\_\_\_