

## Lesson 3 Practice Problems

1. Solve each equation mentally.

a.  $2x = 10$

b.  $-3x = 21$

c.  $\frac{1}{3}x = 6$

d.  $-\frac{1}{2}x = -7$

(From Unit 5, Lesson 15.)

2. Complete the magic squares so that the sum of each row, each column, and each diagonal in a grid are all equal.

0	7	2
	3	

1		
	3	-2
		5

4	2	0
-1		

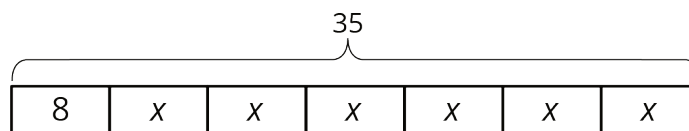
(From Unit 5, Lesson 3.)

3. Draw a tape diagram to match each equation.

a.  $5(x + 1) = 20$

b.  $5x + 1 = 20$

4. Select **all** the equations that match the tape diagram.



A.  $35 = 8 + x + x + x + x + x + x$

B.  $35 = 8 + 6x$

C.  $6 + 8x = 35$

D.  $6x + 8 = 35$

E.  $6x + 8x = 35x$

F.  $35 - 8 = 6x$

5. Each car is traveling at a constant speed. Find the number of miles each car travels in 1 hour at the given rate.

a. 135 miles in 3 hours

b. 22 miles in  $\frac{1}{2}$  hour

c. 7.5 miles in  $\frac{1}{4}$  hour

d.  $\frac{100}{3}$  miles in  $\frac{2}{3}$  hour

e.  $97\frac{1}{2}$  miles in  $\frac{3}{2}$  hour

(From Unit 4, Lesson 2.)