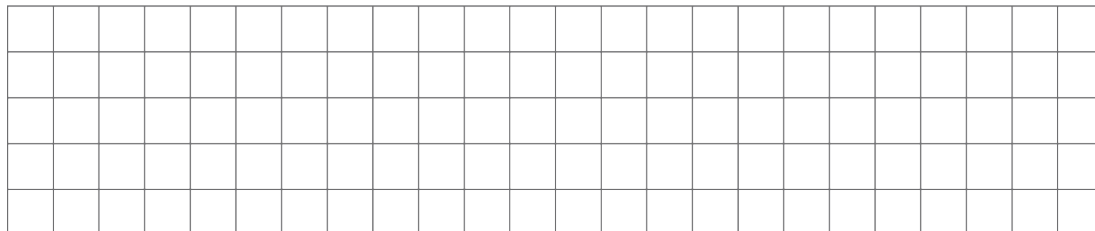
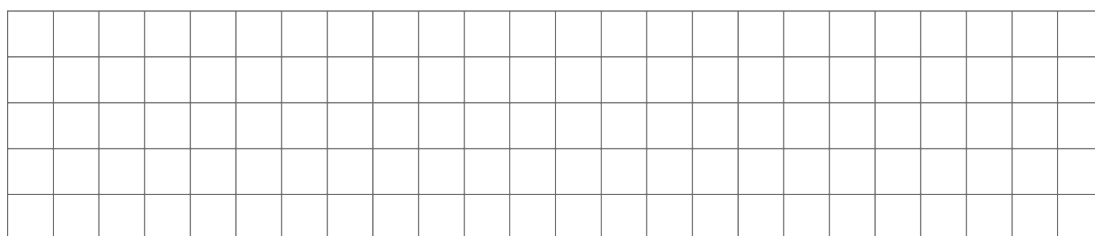


Lesson 8 Practice Problems

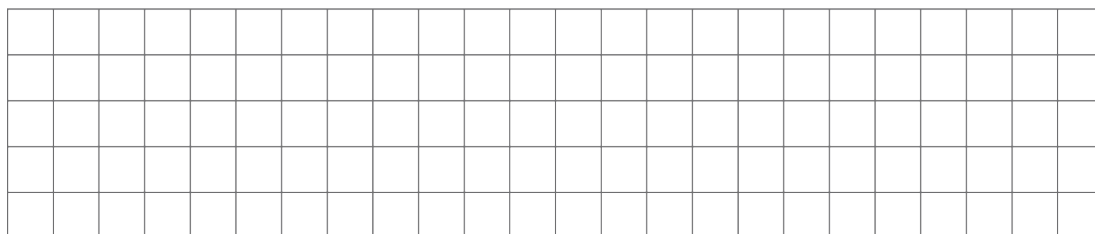
1. a. Draw a diagram of $x + 3$ and a diagram of $2x$ when x is 1.



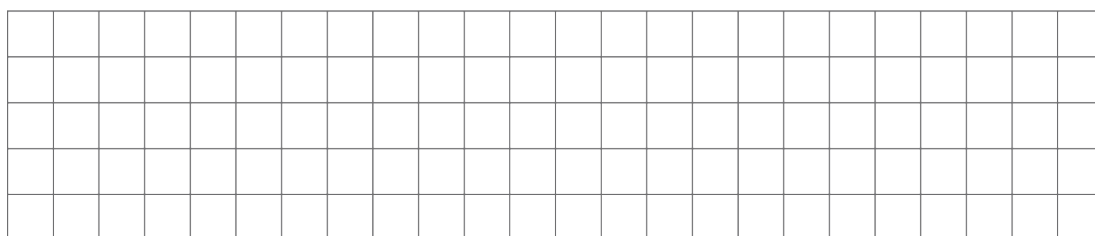
- b. Draw a diagram of $x + 3$ and of $2x$ when x is 2.



- c. Draw a diagram of $x + 3$ and of $2x$ when x is 3.



- d. Draw a diagram of $x + 3$ and of $2x$ when x is 4.



- e. When are $x + 3$ and $2x$ equal? When are they not equal? Use your diagrams to explain.

5. For each story problem, write an equation to represent the problem and then solve the equation. Be sure to explain the meaning of any variables you use.

a. Jada's dog was $5\frac{1}{2}$ inches tall when it was a puppy. Now her dog is $14\frac{1}{2}$ inches taller than that. How tall is Jada's dog now?

b. Lin picked $9\frac{3}{4}$ pounds of apples, which was 3 times the weight of the apples Andre picked. How many pounds of apples did Andre pick?

(From Unit 4, Lesson 5.)

6. Find these products.

a. $(2.3) \cdot (1.4)$

b. $(1.72) \cdot (2.6)$

c. $(18.2) \cdot (0.2)$

d. $15 \cdot (1.2)$

(From Unit 3, Lesson 17.)

7. Calculate $141.75 \div 2.5$ using a method of your choice. Show or explain your reasoning.

(From Unit 3, Lesson 20.)