Multiply.

8 x 1 = __8__   8 x 2 = __16__   8 x 3 = __24__   8 x 4 = __32__

8 x 5 = __40__   8 x 1 = __8__   8 x 2 = __16__   8 x 1 = __8__

8 x 3 = __24__   8 x 1 = __8__   8 x 4 = __32__   8 x 1 = __8__

8 x 5 = __40__   8 x 1 = __8__   8 x 2 = __16__   8 x 3 = __24__

8 x 2 = __16__   8 x 4 = __32__   8 x 2 = __16__   8 x 5 = __40__

8 x 2 = __16__   8 x 1 = __8__   8 x 2 = __16__   8 x 3 = __24__

8 x 1 = __8__   8 x 3 = __24__   8 x 2 = __16__   8 x 3 = __24__

8 x 4 = __32__   8 x 3 = __24__   8 x 5 = __40__   8 x 3 = __24__

8 x 4 = __32__   8 x 1 = __8__   8 x 4 = __32__   8 x 2 = __16__

8 x 4 = __32__   8 x 3 = __24__   8 x 4 = __32__   8 x 5 = __40__

8 x 4 = __32__   8 x 5 = __40__   8 x 1 = __8__   8 x 5 = __40__

8 x 2 = __16__   8 x 5 = __40__   8 x 3 = __24__   8 x 5 = __40__

8 x 4 = __32__   8 x 2 = __16__   8 x 4 = __32__   8 x 3 = __24__

8 x 5 = __40__   8 x 3 = __24__   8 x 2 = __16__   8 x 4 = __32__

8 x 3 = __24__   8 x 5 = __40__   8 x 2 = __16__   8 x 4 = __32__

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Name _____   Date _____

1. Jenny bakes 10 cookies. She puts 7 chocolate chips on each cookie. Draw a tape diagram and label the total of amount of chocolate chips as *c*. Write an equation and solve for *c*.
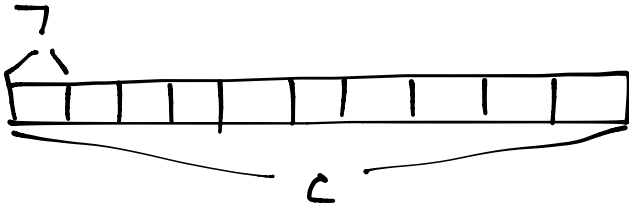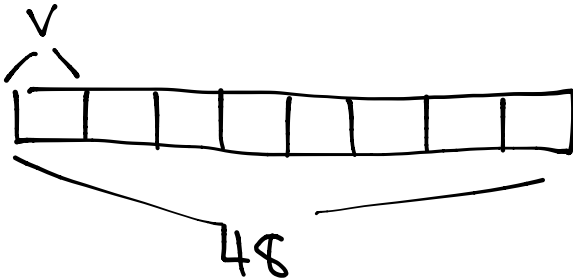
$10 \times 7 = c$

$c = 70$ chocolate chips

Jenny will use 70 chocolate chips.

2. Mr. Lopez arranges 48 dry erase markers into 8 equal groups for his math stations. Draw a tape diagram and label the number of dry erase markers in each group as *v*. Write an equation and solve for *v*.
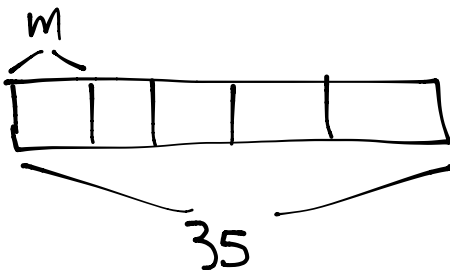
$48 \div 8 = v$

$v = 6$

There will be 6 dry erase markers in each group.

3. There are 35 computers in the lab. Five students each turn off an equal number of computers. How many computers does each student turn off? Label the unknown as *m*, then solve.
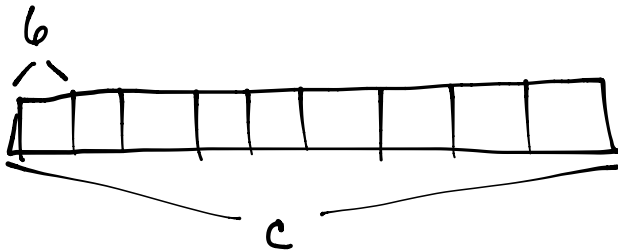
$35 \div 5 = m$

$m = 7$

Each student turns off 7 computers.

COMMON CORE   **Lesson 11:**   Interpret the unknown in multiplication and division to model and solve problems.   **engage**^ny   **3.C.45**

Date: 7/31/13

4. There are 9 bins of books. Each bin has 6 comic books. How many comic books are there altogether?
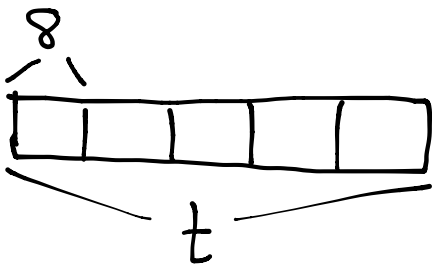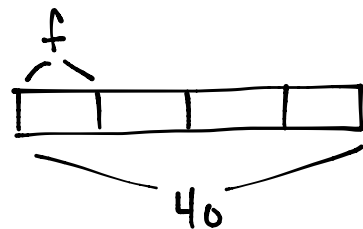
$$9 \times 6 = C$$
$$C = 54$$

There are 54 comic books altogether.

5. There are 8 trail mix bags in one box. Clarissa buys 5 boxes. She gives an equal number of bags of trail mix to 4 friends. How many bags of trail mix does each friend receive?
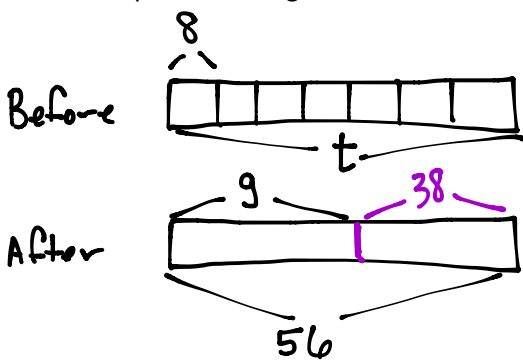
$$5 \times 8 = t$$
$$t = 40$$

$$40 \div 4 = f$$
$$f = 10$$

Each friend gets 10 bags of trail mix.

6. Leo earns $8 a week for doing chores. After 7 weeks, he buys a gift and has $38 left. How much does he spend on the gift?

Before

After

$$7 \times 8 = t$$
$$t = \$56$$

Leo earned $56 in 7 weeks.

$$56 - 38 = g$$
$$g = 18$$

Leo spent $18 on the gift.

Lesson 11:	Interpret the unknown in multiplication and division to model and solve problems.
Date:	7/31/13

COMMON CORE

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3.C.46