Translate Words to Equations

Name _____   Date _____

1. Ms. Santor divides 32 students into 8 equal groups for a field trip. Draw a tape diagram and label the number of students in each group as *n*. Write an equation and solve for *n*.
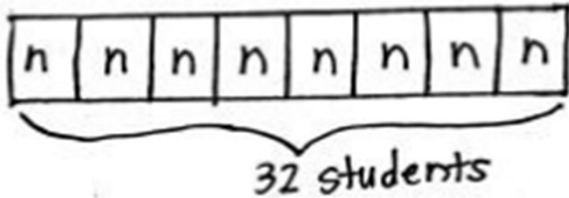
2. Tara buys 6 packs of printer paper. Each pack of paper costs $8. Draw a tape diagram and label the total amount she spends as *m*. Write an equation and solve for *m*.

3. Mr. Reed spends $24 on coffee beans. How many kilograms of coffee beans does he buy? Draw a tape diagram and label the total amount of coffee beans he buys as *c*. Write an equation and solve for *c*.

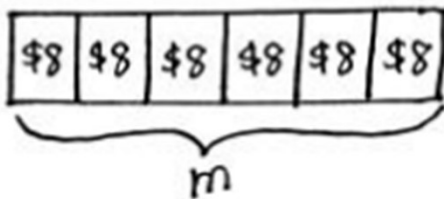$8 for 1 kg

Translate Words to Equations

1. Ms. Santor divides 32 students into 8 equal groups for a field trip. Draw a tape diagram and label the number of students in each group as *n*. Write an equation and solve for *n*.

n	n	n	n	n	n	n	n

32 students

$$32 \div 8 = n$$
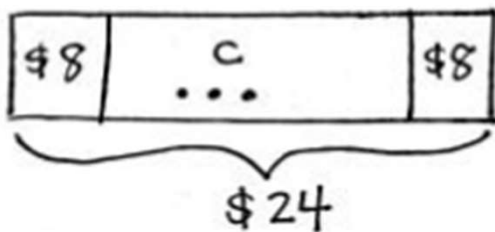$$n = 4$$
There are 4 students in each group.

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2. Tara buys 6 packs of printer paper. Each pack of paper costs $8. Draw a tape diagram and label the total amount she spends as *m*. Write an equation and solve for *m*.

$8	$8	$8	$8	$8	$8

m

$$m = 6 \times \$8$$
$$m = \$48$$
Tara spends $48 on printer paper.

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3. Mr. Reed spends $24 on coffee beans. How many kilograms of coffee beans does he buy? Draw a tape diagram and label the total amount of coffee beans he buys as *c*. Write an equation and solve for *c*.

$8	... c ...	$8

$24

$$c = 24 \div 8$$
$$c = 3$$

$8 for 1 kg

Mr. Reed buys 3 kg of coffee.