

In Class

Homework

<p>1. Kevin is making cookies with his mom. They bake 30 cookies on a pan. 3 rows fit on the pan. Draw an array to show the total number of cookies.</p> <p>a. Fill in the missing factor. Write a sentence telling what it represents.</p> <p>3 x _____ = 30</p> <p>b. Write a related division sentence to find the number of cookies in each row</p>	<p>1. Karli is making shrinky dinks with her friends. In all, they make 40 shrinky dinks. There are four rows of shrinky dinks the pan. Draw an array to show the total number of shrinky dinks.</p> <p>a. Fill in the missing factor. Write a sentence telling what it represents.</p> <p>4 x _____ = 40</p> <p>b. Write a related division sentence to find the number of shrinky dinks in each row</p>
<p>2. Kevin then packs the 30 cookies into bags for his class. He puts 5 cookies in each bag.</p> <p>a. Draw an array to show how many bags of cookies Kevin packs. How many bags of cookies does he pack?</p> <p>b. After that, Kevin bakes 30 granola bars and packs them into bags of 6. Draw an array to show how many bags of granola bars Kevin packs. How many bags of granola bars does he pack?</p> <p>c. Explain the relationship between the 2 arrays using number sentences and words.</p>	<p>2. Karli then packs the 40 shrinky dinks into bags for her class. She puts 5 shrinky dinks in each bag.</p> <p>a. Draw an array to show how many bags of shrinky dinks Karli packs. How many bags of shrinky dinks does she pack?</p> <p>b. After that, Karli makes 40 stretchy band rings and packs them into bags of 8. Draw an array to show how many bags of stretchy band rings Karli packs. How many bags of stretchy band rings does she pack?</p> <p>c. Explain the relationship between the 2 arrays using number sentences and words.</p>

3. Steve bakes cupcakes for a bake sale. They are shown to the side. Twenty are chocolate and 15 are vanilla. This shows how he calculated the total number of cupcakes.

x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x

$$(4 \times 5) + (3 \times 5) = 7 \times 5$$

a. Use Steve's method to find the total. Explain each step with words.

b. Steve burns 2 rows of five cupcakes. Fill in the unknowns below to describe how many are burnt and how many are not burnt.

x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x

$$7 \times 5 = \underline{\quad\quad\quad} \times 5 + \underline{\quad\quad\quad} \times 5$$

3. Elinor bakes cookies for a bake sale. They are shown to the side. Twenty-five are sugar and 15 are chocolate chip. This shows how she calculated the total number of cookies.

x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x

$$(5 \times 5) + (3 \times 5) = 8 \times 5$$

a. Use Elinore's method to find the total. Explain each step with words.

b. Elinor burns 3 rows of five cookies. Fill in the unknowns below to describe how many are burnt and how many are not burnt.

x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x
 x x x x x

$$8 \times 5 = \underline{\quad\quad\quad} \times 5 + \underline{\quad\quad\quad} \times 5$$

4. Tara decides to make bracelets. Each bracelet needs 5 blue stars. She makes 8 bracelets.

a. Draw a picture or model and write a multiplication sentence to find the total number of blue stars she uses for the 8 bracelets.

4. John decides to make bracelets. Each bracelet needs 5 silver beads. He makes 6 bracelets.

a. Draw a picture or model and write a multiplication sentence to find the total number of silver beads he uses for the 6 bracelets.

b. Tara uses the equation $8 = \underline{\hspace{2cm}} \times 5$ to figure out how many blue stars she needs. Is her method correct? Why or why not?

c. If she has a total of 50 blue stars, how many are left after she makes the 8 bracelets?

d. Tara boxes the 8 bracelets. Each box fits 2 bracelets. Draw a picture and write a number sentence to show how many boxes she fills.

b. John uses the equation $30 = \underline{\hspace{2cm}} \times 6$ to figure out how many silver beads he needs. Is his method correct? Why or why not?

c. If he has a total of 50 silver beads, how many are left after he makes the 6 bracelets?

d. John boxes the 6 bracelets. Each box fits 2 bracelets. Draw a picture and write a number sentence to show how many boxes he fills.