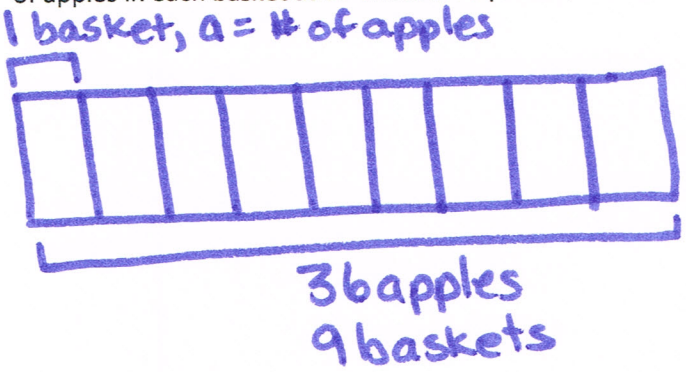
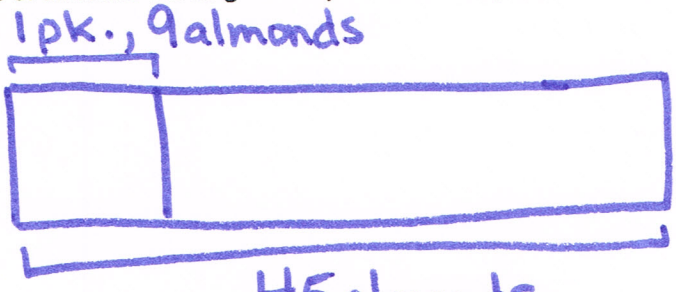
Name _____ Date _____

1. The store clerk equally divides 36 apples between 9 baskets. Draw a tape diagram, and label the number of apples in each basket as *a*. Write an equation, and solve for *a*.



$36 \div 9 = a$
$a = 4$
There are 4 apples in each basket.

2. Elijah gives each of his friends a pack of 9 almonds. He gives away a total of 45 almonds. How many packs of almonds did he give away? Model using a letter to represent the unknown, and then solve.



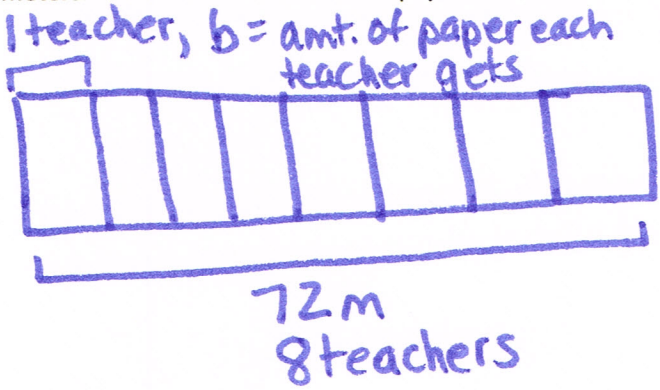
$45 \div 9 = a$
$5 = a$
He gave away 5 packs of almonds.

3. Denice buys 7 movies. Each movie costs $9. What is the total cost of 7 movies? Use a letter to represent the unknown. Solve.

$7 \times 9 = m$
$63 = m$
The total cost of the movies was $63.

$7 \times 9 = (3 \times 9) + (4 \times 9)$
$= 27 + 36$
$23 + 7 + 4$
$23 + 40 = 63$

4. Mr. Doyle shares 1 roll of bulletin board paper equally with 8 teachers. The total length of the roll is 72 meters. How much bulletin board paper does each teacher get?

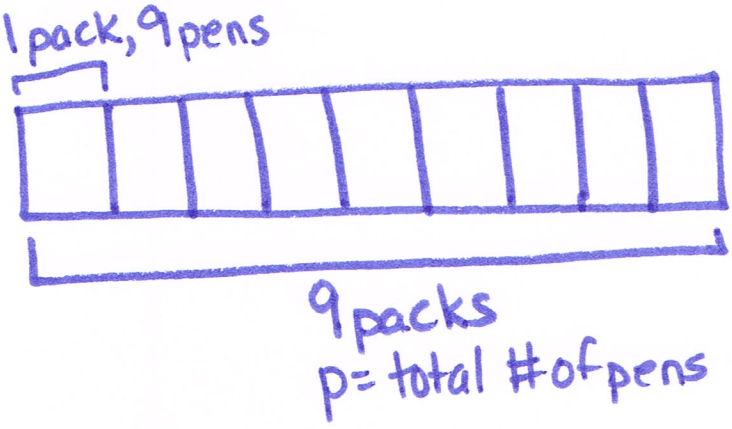


$72 \div 8 = b$

$9 = b$

Each teacher will get 9 meters of paper.

5. There are 9 pens in a pack. Ms. Ochoa buys 9 packs. After giving her students some pens, she has 27 pens left. How many pens did she give away?



$9 \times 9 = p$

$81 = p$

$(9 \times 10) - (1 \times 9)$

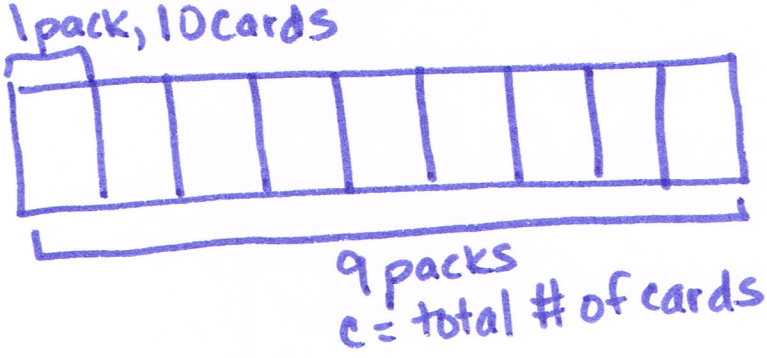
$= 90 - 9$

$= 81$

$\begin{array}{r} 7\ 11 \\ \cancel{8}\,\cancel{1} \\ -\ 27 \\ \hline 54 \end{array}$

She gave away 54 pens.

6. Allen buys 9 packs of trading cards. There are 10 cards in each pack. He can trade 30 cards for a comic book. How many comic books can he get if he trades all of his cards?



$10 \times 9 = c$

$90 = c$

$\begin{array}{r} 90 \\ -\ 30 \\ \hline 60 \\ -\ 30 \\ \hline 30 \\ -\ 30 \\ \hline 0 \end{array}$

1 comic book

2 comic books

3 comic books

He can get 3 comic books.