Translate Words to Equations

Model each problem with a drawing. Then, write an equation using a letter to represent the unknown and solve for the unknown.

a. Each student gets 3 pencils. There are a total of 21 pencils. How many students are there?

b. Henry spends 24 minutes practicing 6 different basketball drills. He spends the same amount of time on each drill. How much time does Henry spend on each drill?

c. Jessica has 8 pieces of yarn for a project. Each piece of yarn is 6 centimeters long. What is the total length of the yarn?

d. Ginny measures 6 milliliters of water into each beaker. She pours a total of 54 milliliters. How many beakers does Ginny use?

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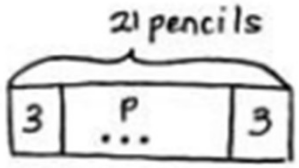
a. Each student gets 3 pencils. There are a total of 21 pencils. How many students are there?



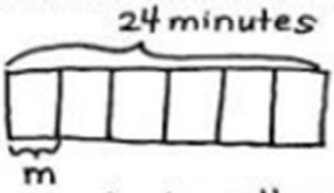
p = the number of students who get pencils.

$21 \div 3 = p$

$p = 7$

There are 7 students who get pencils.

b. Henry spends 24 minutes practicing 6 different basketball drills. He spends the same amount of time on each drill. How much time does Henry spend on each drill?



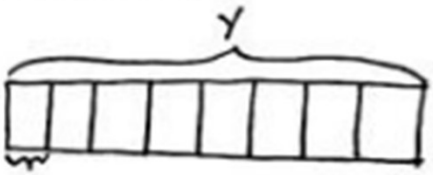
m = the time Henry spends on each drill.

$24 \div 6 = m$

$m = 4$

Henry spends 4 minutes on each drill.

c. Jessica has 8 pieces of yarn for a project. Each piece of yarn is 6 centimeters long. What is the total length of the yarn?



y = total length of the yarn

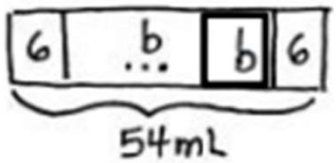
$8 \times 6 = y$

$y = 48\text{ cm}$

The total length of the yarn is 48cm.

d. Ginny measures 6 beakers does Ginn

r. She pours a total of 54 milliliters. How many



b = the number of beakers

$b \times 6 = 54$

$b = 9$

Ginny uses 9 beakers.