Multiplication as Comparison Problems

Draw a model and write an equation for the following:
a) 3 times as many as 9 is 27
b) 40 is 4 times as many as 10
c) 21 is 3 times as many as 7

A

Write equations for the following:
a) three times as many as four is twelve
b) twice as many as nine is eighteen
c) thirty-two is four times as many as eight

B

Write a comparison statement for each equation:
a) 3 x 7 = 21 b) 8 x 3 = 24 c) 5 x 4 = 20

___ times as many as ___ is ___.

C

Write a comparison statement for each equation
a) 45 = 9 x 5 b) 24 = 6 x 4 c) 18 = 2 x 9

___ is ___ times as many as ___.

D

Draw a model and write an equation for the following:
a) 18 is 3 times as many as 6
b) 20 is 5 times as many as 4
c) 80 is 4 times as many as 20

E

Write equations for the following:
a) five times as many as seven is thirty-five
b) twice as many as twelve is twenty-four
c) four times as many as nine is thirty-six

F

Write a comparison statement for each equation:
a) 6 x 8 = 48 b) 9 x 6 = 54 c) 8 x 7 = 56

___ times as many as ___ is ___.

G

Write a comparison statement for each equation:
a) 72 = 9 x 8 b) 81 = 9 x 9 c) 36 = 4 x 9

___ is ___ times as many as ___.

H

Write a comparison statement for 42 = 6 x 7. Use the words *times* and *more than*.

I

How are the equations for *4 is 2 more than 2* and *4 is 2 times as many as 2* different? Write an equation for each statement and explain your thinking using math vocabulary.

J

Draw models to represent 21 = 7 x 3 and 21 = 3 x 7. How are the models alike? How are they different?

K

Write two different multiplication equations that have a product of 24. Write a comparison statement for each equation.

L

Write two multiplication equations in which both factors are even numbers. Write a comparison statement for each equation.

M

Write two multiplication equations in which both factors are odd numbers. Write a comparison statement for each equation.

N

Write an equation to represent the situation below. Let *p* be the unknown number.

Jack surveyed fourth graders about their favorite food. Thirty-two students chose pizza. Four times as many students chose pizza as chose pasta.

O

Write an equation to represent the situation below. Use *s* for the unknown.

Farmer Brown has 50 sheep. He has twice the number of sheep as Farmer Smith.

P