

Max's Math Adventures

Take some time to solve the rhyme

Name: _____

Date: _____

Dr. Proctor's Multiplying Machine

Put 3 apples in the hole
Then press "2" on the control.
Out come 2 groups of 3 —
6 apples in all, don't you see?

Into the machine, I put 4 pies.
Ruthie pressed "3" and to our surprise
Out came 4 and 4 and 4 —
12 pies in all and not one more.

Five cars were the last to go in.
We pressed "2" to begin.
Out popped 2 groups of 5 —
10 cars ready for a drive!

I do not know why
This machine can multiply.
It must be very smart
To make more at the end than at the start!



Dr. Proctor's multiplying machine
Was like nothing we had ever seen.
It was tall, shiny, and brand-new.
You won't believe what it can do!

Notes:

Dr. Proctor's Multiplying Machine



Max's Challenge:

Now is your chance to try out Dr. Proctor's multiplying machine. What would come out if you put into the machine each of the items listed below?

Ruthie and Max put a bunch of things into Dr. Proctor's multiplying machine. Use the pictures and words below to help you find the answers to each of the problems.

2 groups of 4 basketballs



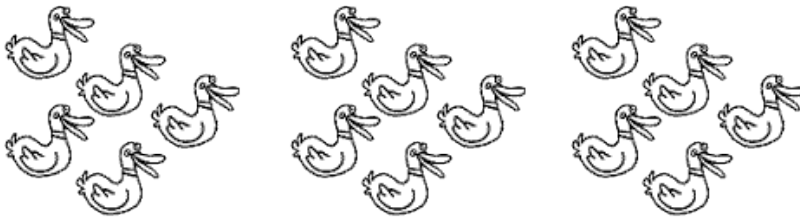
$2 \times 4 = \underline{\quad}$

3 groups of 3 pencils



$3 \times 3 = \underline{\quad}$

3 groups of 5 ducks



$3 \times 5 = \underline{\quad}$

If Ruthie put 4 flowers into Dr. Proctor's machine and Max pushed "2" on the control, how many flowers will come out? Draw a picture of how many flowers will come out.