

How can a number line
help me solve 4×7 ?

I know how
to multiply...

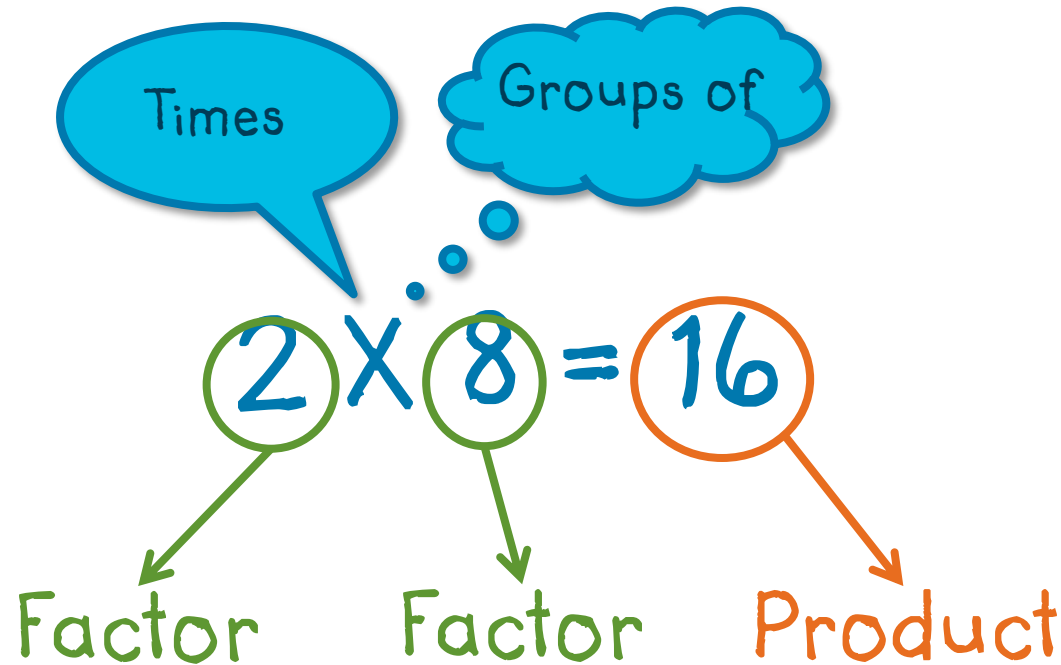
But not
with a
number line!



In this lesson you will
learn how to multiply
by using an open number line.

Let's Review

Multiplication Number Sentences

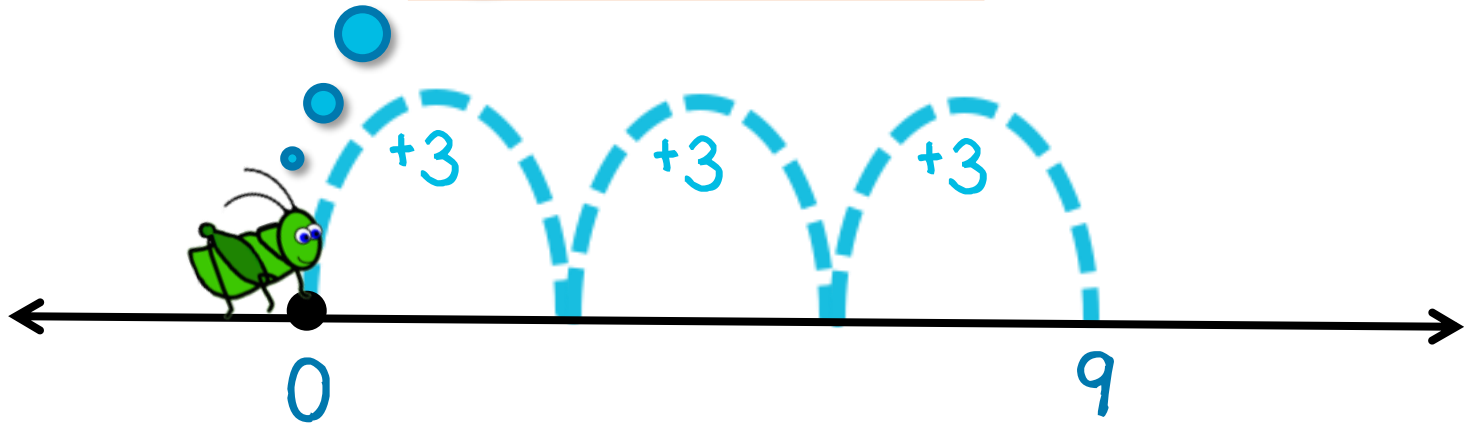


Let's Review

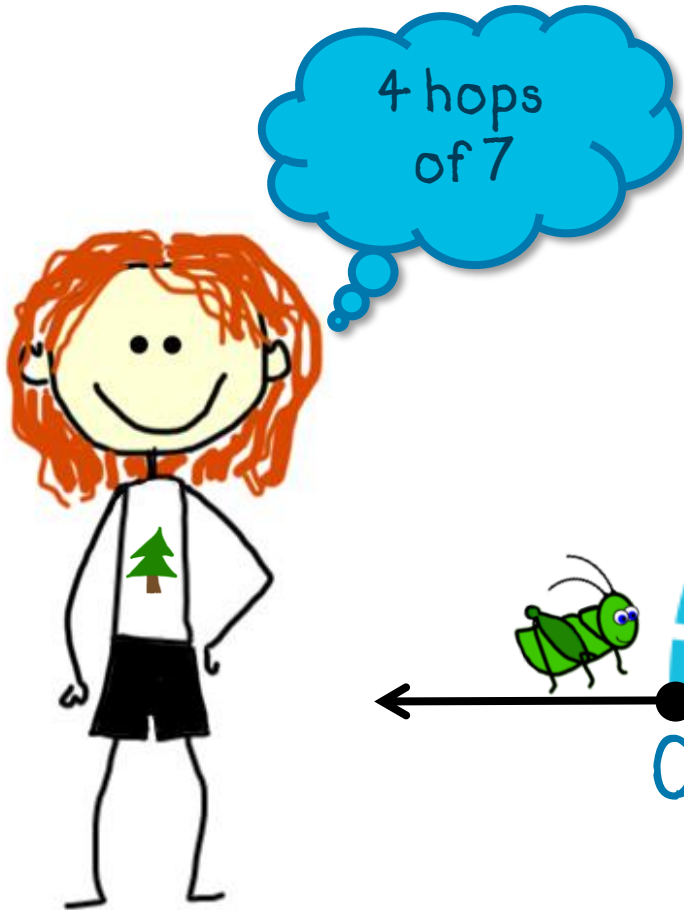
Open Number Lines

Open number
lines help us
count up!

$$3 \times 3 = 9$$



Core Lesson



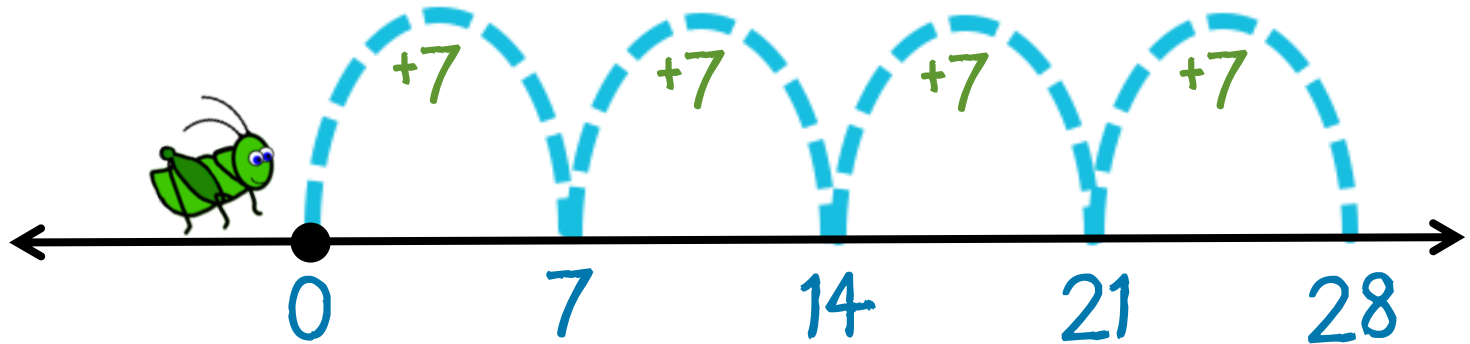
Multiply 4×7

Hops of

Number
of hops...

The value of
each hop...

$$4 \times 7 = 28$$

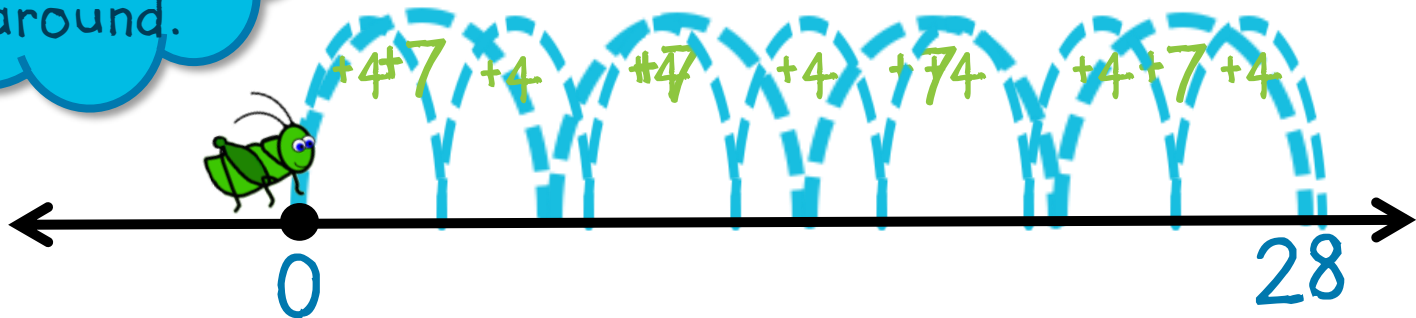


A Common Misunderstanding

Thinking the first factor has to be the number of hops and the second factor has to be the value of each hop.

The commutative property lets us switch factors around.

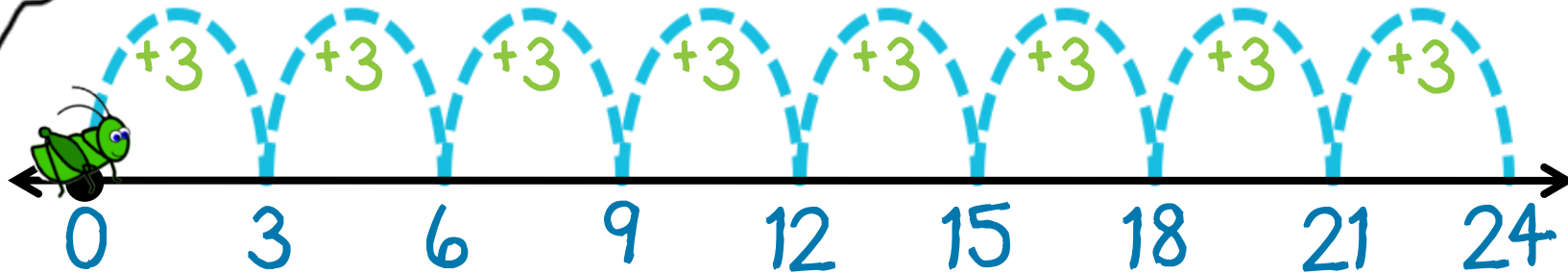
$$4 \times 7 = 28$$



Core Lesson

$$8 \times 3 = 24$$

The campers are going canoeing!
There are 8 canoes
and each canoe fits 3 campers.
How many campers can go canoeing?



In this lesson you have
learned how to multiply
by using an open number line.