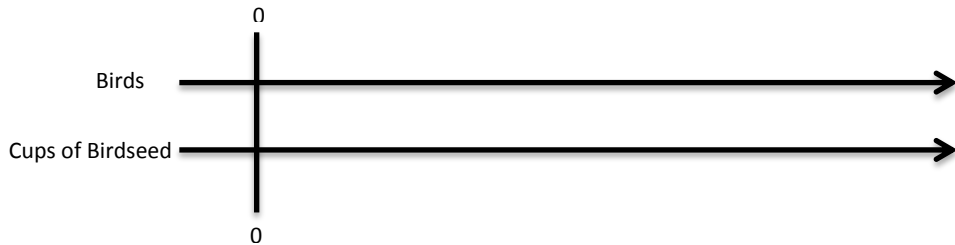# Ratio Word Problems with Double Number Lines

1) Last spring 12 birds ate 8 cups of birdseed in one month. If I am expecting 18 birds this month, how many cups of birdseed do I need?

Complete the double number line and ratio table to support your answer.

Simplified ratio of birds to cups: _____

Birds	Birdseed (in cups)
12	

0

Birds

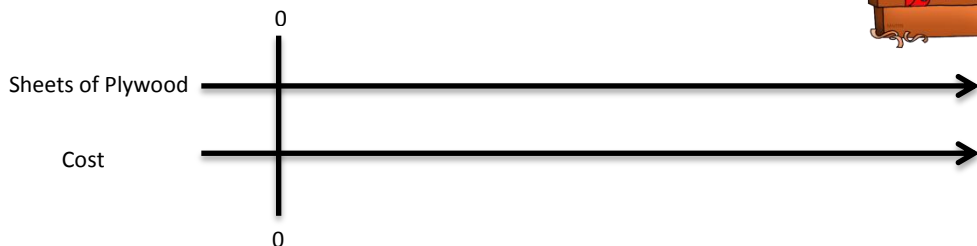Cups of Birdseed

0

Cups of birdseed for 18 birds: _____

2) A builder can buy 6 sheets of plywood for $33. At that rate, how much would 14 sheets of plywood cost?
Complete the double number line and ratio table to support your answer.

Simplified ratio of sheets to cost: _____

Sheets of Plywood	Cost (in dollars)
6	

0

Sheets of Plywood

Cost

0
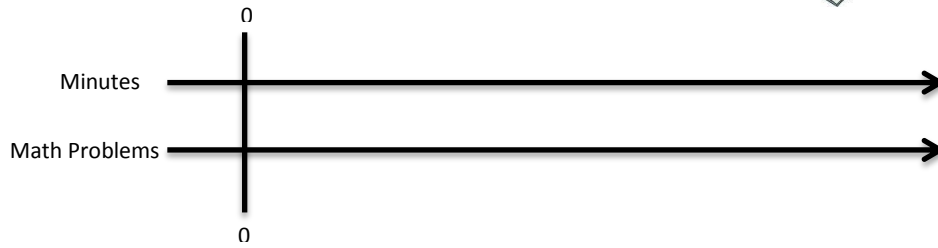
Cost for 14 sheets of plywood: _____

3) It takes Peter 18 minutes to complete 30 math problems. At this rate, how long will it take him to complete 40 math problems?

Complete the double number line and ratio table to support your answer.

Simplified ratio of minutes to problems: _____

Time (in minutes)	Math Problems
18	
	40

0

Minutes →

Math Problems →

0

Time to complete 40 math problems: _____

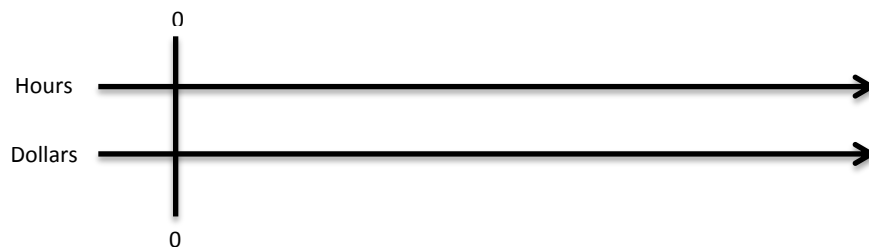**Math Rocks! Math Rocks! Math Rocks! Math Rocks! Math Rocks! Math Rocks!**

4) Sonja worked for 16 hours last week and earned $136? This week she will get 24 hours. How much money will she make?

Complete the double number line and ratio table to support your answer.

Simplified ratio of hours to dollars: _____

Hours	Dollars
16	

0

Hours →

Dollars →

0

Dollars for 24 hours: _____