

Stacks of Money

(revised 2008)

You need toy money (optional) a ruler
 coins

Activity



A stack of five 10 cent coins is 8 millimetres high.



A stack of five 20 cent coins is also 8 millimetres high.

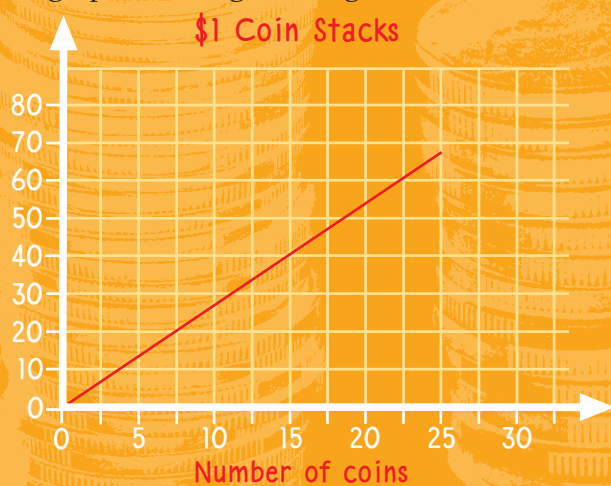


A stack of five 50 cent coins is 9 millimetres high.



A stack of five \$1 coins is 13.5 millimetres high.

1. A stack of coins is 72 millimetres high.
 - a. If the stack is made with 10 cent coins, how much is it worth?
 - b. If the stack is made with 20 cent coins, how much is it worth?
 - c. If the stack is made with 50 cent coins, how much is it worth?
2. Here is a graph showing the heights of stacks made with \$1 coins:



Use the graph to answer the following questions:

- a. How high would a stack of thirty \$1 coins be?
- b. A stack of \$1 coins is 54 millimetres high. How many coins are in the stack?
- c. Why is the height of stacks shown by a straight line?

Investigation

Investigate stacks made with \$1 and \$2 coins.

