

Lego Building Challenge

You need:

- Real or [pretend coins](#)
- [Lego blocks](#)
- Pencil
- Free printable for each student

Directions:

Choose four different lego blocks out of the bucket. Place a penny next to one, a nickel next to another, a dime next to the third, and a quarter next to the fourth.

Choose a "banker". This person will give out legos in exchange for money. The banker can be the teacher if you are doing this in a small group.

Have the other students count out the amount of change needed to create the first challenge.

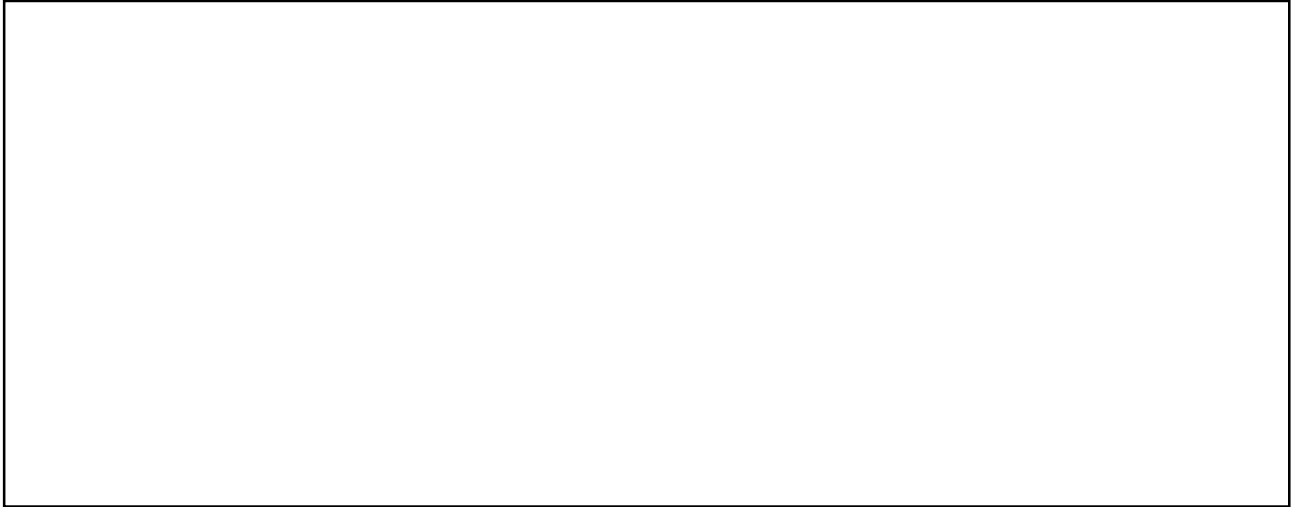
Have the students draw a picture of what they would like to build, then they may purchase blocks from the banker. They may use all their money at once, or may buy as needed. They must use all their money and all the blocks they purchased.

They may return blocks and get their money back, and then purchase new blocks if needed.

CHALLENGE 1

Use your legos to build any shape that equals \$0.84.

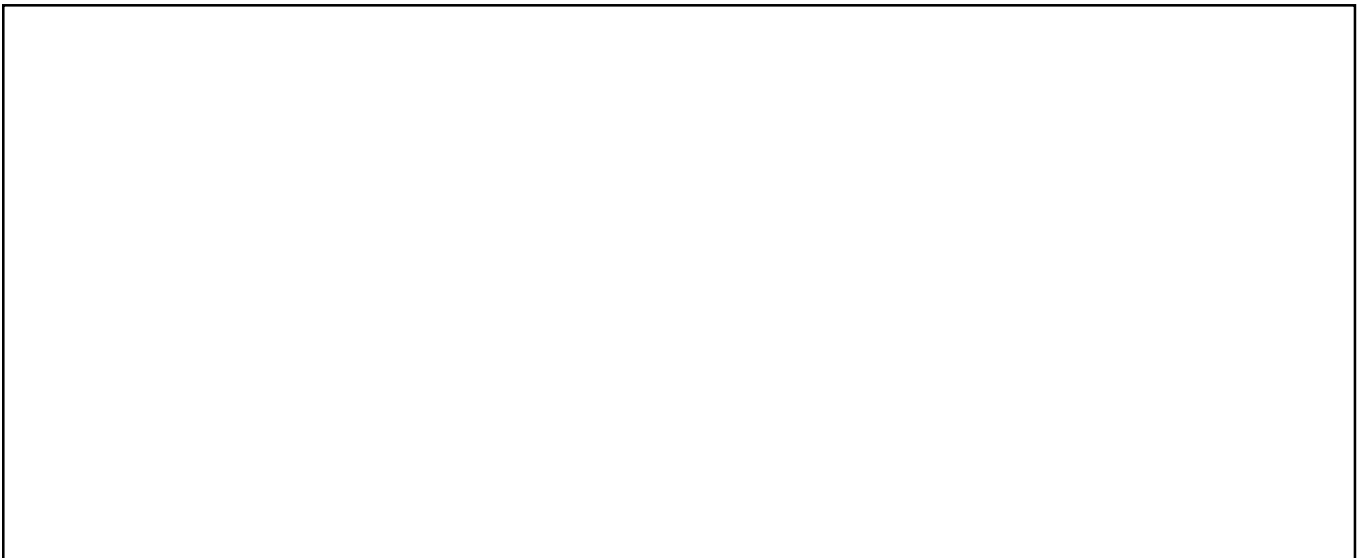
Draw a model



CHALLENGE 2

Use your legos to build any letter except an I, L, or T that equals \$1.22.

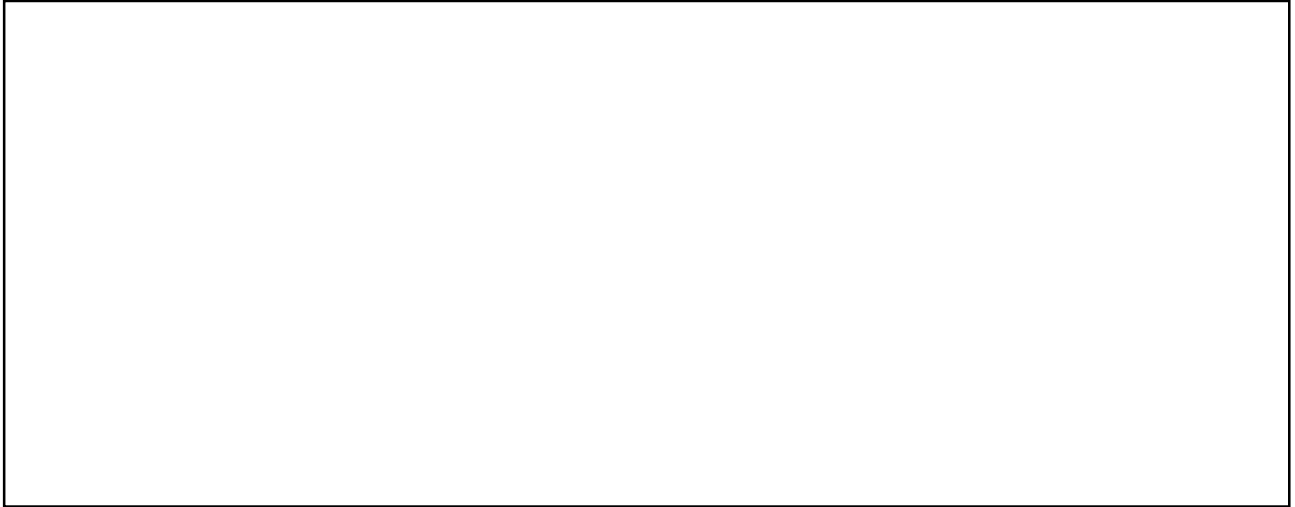
Draw a model



CHALLENGE 3

Use your legos to build any number except the number 1 that equals \$1.23.

Draw a model



Which challenge was the hardest? _____

Why? _____

Is there one challenge you could make better? _____

How could you improve it? _____
