

# 6.EE,NS,RP; 8.EE,F Pennies to heaven

## Task

A penny is about  $\frac{1}{16}$  of an inch thick.

- In 2011 there were approximately 5 billion pennies minted. If all of these pennies were placed in a single stack, how many miles high would that stack be?
- In the past 100 years, nearly 500 billion pennies have been minted. If all of these pennies were placed in a single stack, how many miles high would that stack be?
- The distance from the moon to the earth is about 239,000 miles. How many pennies would need to be in a stack in order to reach the moon?



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