# Mathematical modelling: Buying presents

Wally wants to buy a present for each of his nieces and nephews. He has two nieces and three nephews.

They are all between 10 and 12 years old.

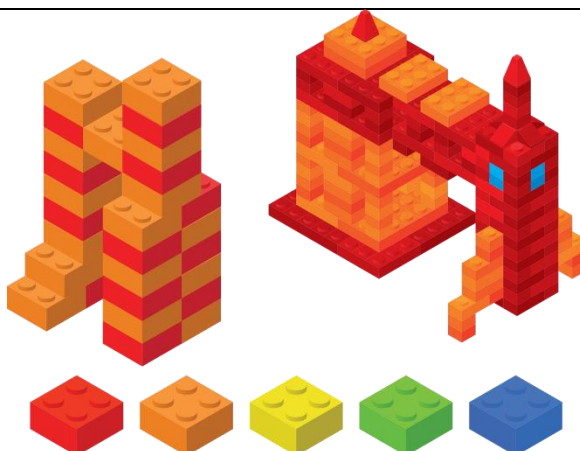He has a budget of $600.

He has narrowed it down to four items.


Scooter: $96 each


Family board games: $65 each


Basketball: $89 each


Building blocks kit: $109 each

1. Record your ideas about how Wally could spend the money to buy the five presents.

- List or draw some possible ways.
- Before you decide on your purchases, estimate how many of each item you could buy for the $600. Show how you might use rounding in your estimates.

2. Choose how you would spend the money to buy the five presents.

- Model how you worked out the problem. Show your plan as a drawing or table and include any working out.

3. Is there any money left over? If so, how much?

4. What would you suggest Wally does with any left-over money?

**Image source**

https://pixabay.com/photos/family-game-game-board-game-588908/

https://pixabay.com/illustrations/scooter-children-scooter-locomotion-3128709/

https://pixabay.com/vectors/basketball-icon-ball-isolated-1731918/

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