

Horsing Around

You need ✓ a classmate

Activity

Marama helps her dad with his horse trekking business in Te Urewera.

1. For today's trek, Marama needs to fill 60 lunch bags.
The bakery has sent her 6 boxes of filled rolls. Each box has 20 rolls in it.



How many rolls will go into each bag?
I could start with $6 \times 20 = 60 \times \square$.



How could Marama work out what goes in the \square without working out what 6×20 is?

2. Marama has 10 boxes of fruit, and there are 18 pieces of fruit in each box.
She needs to work out how many pieces will go into each lunch bag.



I'll start by writing
 $10 \times 18 = 60 \times \square$.



Without working out what 10×18 is, how can Marama work out what goes in the \square ?

3. Marama also has 15 packets of biscuits, with 16 biscuits in each packet.
She writes: $15 \times 16 = 60 \times \square$
Work out what goes in the \square without first working out what 15×16 is.
4. For the 60 horses, Marama's dad has 30 bags of carrots with 16 carrots in each bag.
a. Use Marama's strategy to work out how many carrots each horse will get.
b. What other strategy could you use?
5. a. Write a lunch bag problem that could be solved using Marama's strategy.
Make sure that your problem has a whole-number answer.
b. Swap your lunch bag problem with a classmate and solve each other's problems.