

Divisive Tactics

ACTIVITY

Solve these problems in your head.

Use equations or diagrams to record your thinking.

1. 252 children show up for the volleyball tournament. They are put in teams of six.

How many teams are there?

2. Dwayne and Kiri are putting together large hāngi packs. They have plenty of vegetables and mutton but only 132 pork chops. They need to make 12 packs.

How many pork chops can be in each pack?

3. The bakery staff has made a batch of cream doughnuts. If they put the doughnuts in packs of six, they can make 17 packs. If they put the doughnuts in packs of four, they can make 25 packs.

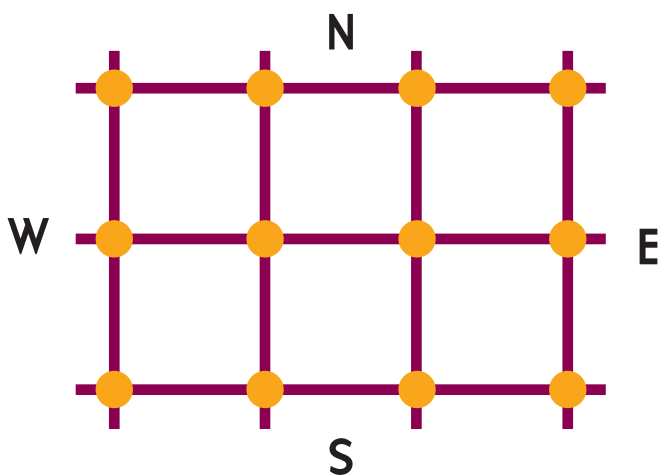
What is the smallest possible number of doughnuts that they have made?



INVESTIGATION

1. In Parallel Town, eight streets go north to south. The rest of the streets go west to east. Altogether there are 176 intersections.

How many west-to-east streets are there in Parallel Town?



2. Nigel and Letitia are making up a tape for the school dance from their CD collections. The tape is 90 minutes long. They want the same number of 2 minute, 3 minute, and 4 minute tracks on it.

How many tracks can they get on the tape?

