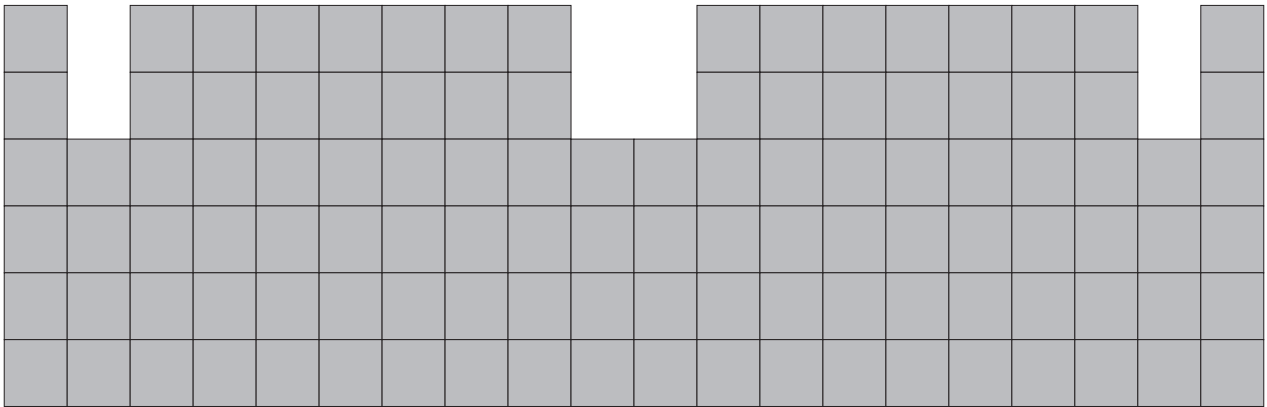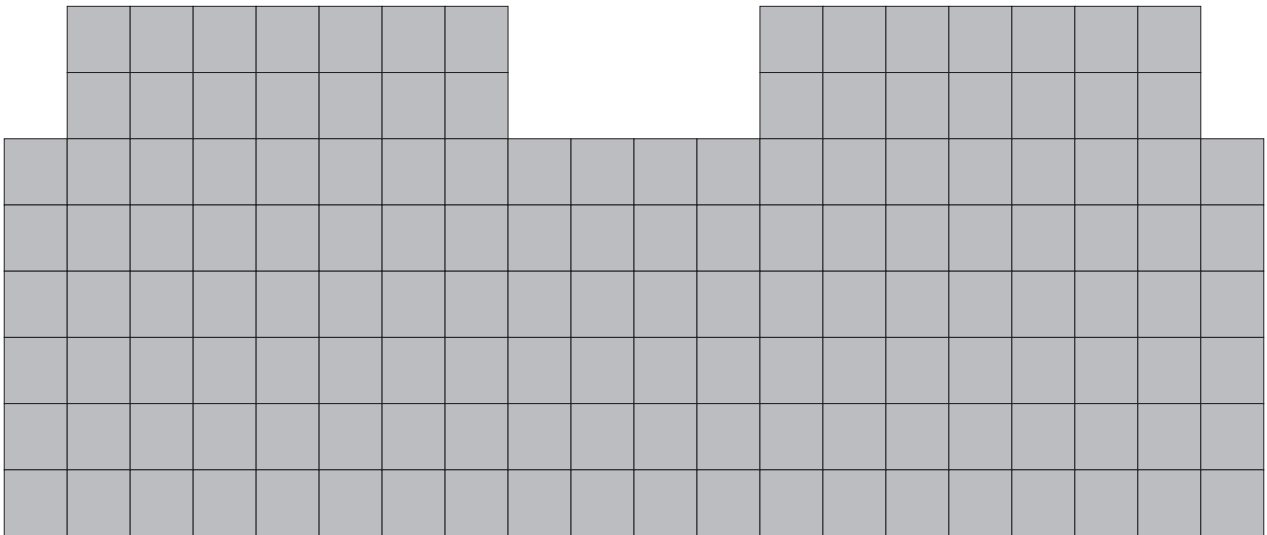**Problem One**

Two demolition gangs are working on different sites. They start on the same day.

Site A: 112 sections being removed at three sections per day

Site B: 148 sections being removed at four sections per day

1. Which demolition crew, A or B, will finish their building first?

2. On what day will the number of sections left on each building be equal?

nzmaths.

Problem Two

Two icecream sellers have different sized reservoirs for their machines.

Mr Blue has a 240 unit reservoir.
His machine uses 4 units per minute.

Ms Yellow has a 348 unit reservoir.
Her machine uses 6 units per minute.

1. If Mr Blue and Ms Yellow start serving icecream at the same time, how many minutes will pass before they have the same number of units left?

Problem Three

Here is Abdul, the fruit seller. He starts the day with $50 cash in his till.

You are his first customer. You have $458 cash with you and buy many boxes of tomatoes off him for $12 per box. After you have paid Abdul you notice that he and you each have the same amount of cash.

How many boxes of tomatoes do you buy?