

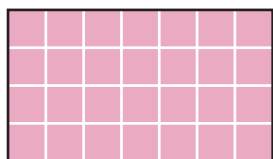
Fair Mix

Activity

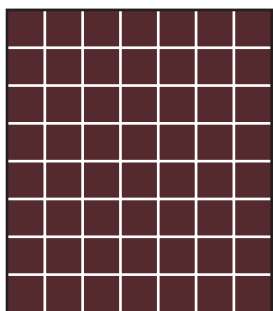
Brett and Jake are going to sell homemade sweets at the school fair. On Friday, they are given 30 trays of coconut ice, fudge, and toffee to put into bags.

They have 10 trays of each kind of sweet.

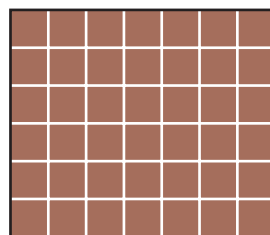
The sweets have been cut into squares of the same size, with each kind of sweet in a different-sized tray:



coconut ice



fudge



toffee



There's something the same about these trays!

What did Jake realise?



Brett and Jake want to sell bags of 18 mixed sweets.

We want to have the same mix in each bag, and we don't want any left over!



Well, we can't put in the same number of each kind. If we do, we'll run out of coconut ice and toffee.



- How did Jake and Brett work out what sweets to put in each bag?
- How many bags can they make from 1 tray of each kind of sweet?
- How many bags can they make altogether out of 10 trays of each sweet?



The boys want to earn at least \$175 from selling all the bags of sweets.

- What should they charge per bag?
- Explain how you worked this out.