Arrays Hooray: Orchard problems

Enlarge station cards to A3.

Station 1

Orange Orchard (Part 1)

Tame has an orange orchard with 6 rows of trees.

In each row there are 8 trees. How many trees does Tame have altogether?

Your prediction:

Your answer:



Orange Orchard (Part 2)

Tame wants to plant another orchard with oranges. He gets 24 trees.

Find different ways Tame can plant 24 trees in rows and columns.

Show all the different ways.



Station 2

Kiwifruit Orchard (Part 1)

Lana has three kiwifruit orchards that are the same. In each orchard she has 5 kiwi fruit plants in every row. There are 4 rows. How many kiwi fruit plants does Lana have altogether?

Your prediction:

Your answer:



Kiwifruit Orchard (Part 2)

Lana's son, Bruce, buys 36 plants to start two Kiwi fruit orchards.

How can Bruce arrange the plants into rows and columns?

Show different ways. Remember that he must share the 36 plants between two orchards.



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Station 3

Strawberry Patch (Part 1)

Hera has a strawberry patch.
There are 5 rows with 12 strawberry plants in each row.
How many strawberry plants does
Hera have altogether?

Your prediction:

Your answer:



Strawberry Patch (Part 2)

Sam, Kim and Toni also have strawberry patches. Sam has 6 rows with 4 plants in each row. Kim has 3 rows with 8 plants in each row. Toni has 2 rows with 12 plants in each row.

Who has the most strawberry plants – Sam, Kim or Toni?



Station 4

Apple Orchard (Part 1)

Fatu's apple orchard has ten trees in each row. There are five rows.

Min's apple orchard has 5 trees in each row. There are ten rows.

Who has more apple trees, Fatu or Min?

Your prediction:

Your answer:



Apple Orchard (Part 2)

Besma has six rows of apple trees. Each row has four trees.

If she plants 12 more trees, how many rows might she have then. How many trees will Besma have in each row?

There are two answers. Show both answers.

