Monday 10th January 2022

Using arrays to understand multiplication and division

How many arrays can you create to show the product of 36?
Write the calculations for each array alongside.

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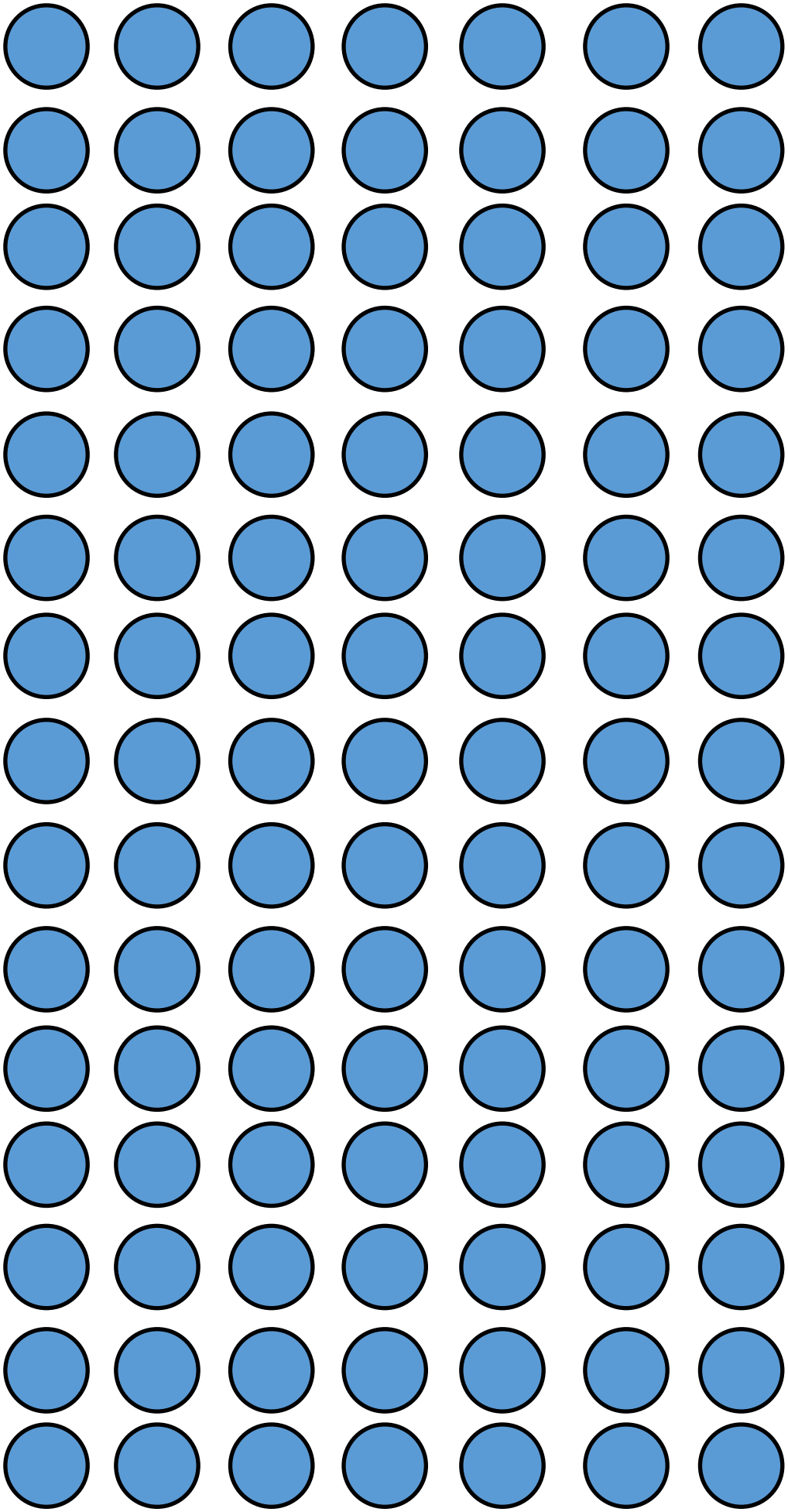

Tuesday 11h January 2022

Understanding distributive law

24 x 6 =

What is the easiest way to calculate the product of this calculation? Journal your answer.

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Wednesday 12th January 2022

Using distributive law

There are 2 flower beds which are next to each other.

Tulips in flower bed A

Marigolds in flower bed B

In A there are 8 rows of 4 tulips

In B there are 8 rows of 6 marigolds

How many flowers altogether?

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Thursday 13th January 2022

Picking efficient methods to solve multiplications.

A school is preparing seating for a concert. They are planning to have 5 rows of 49 chairs. How many chairs do they need in total to do this ?

Thursday 13th January 2022

Picking efficient methods to solve multiplications.

1. June is planting flowers and would like 5 rows of 39 tulips.

How many tulip bulbs does she need in total to do this? Show your workings.

2. A school are setting up chairs for an assembly. They want 41 rows of 7 children.

How many chairs do they need for this? Show your working.

Thursday 13th January 2022

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Thursday 13th January 2022

Chilli Challenge—Picking efficient methods to solve multiplications.

Work out the calculations using the most efficient method possible. Show your working.

1. *49 x 8 =*
2. *8 x 5 + 2 x 5 =*
3. *15 x 4 =*
4. *18 x 7 =*
5. *21 x 9 =*
6. *19 x 5*
7. *7 x 3 + 7 x 4*
8. *6 x 6 + 6 x 5*

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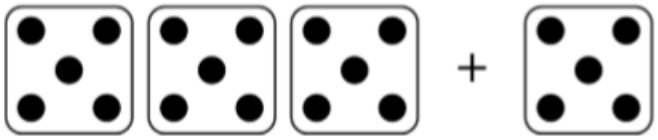
Chilli Challenge

Contextual problem:

- *'Write an equation to represent Eloise's dice rolls.'*

Eloise rolls 3 fives. Then she rolls 1 more five.



- *'Write an equation to represent the remaining number of legs after two of the spiders have crawled away.'*

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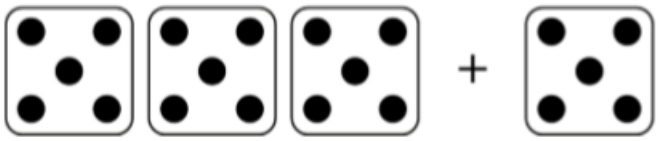

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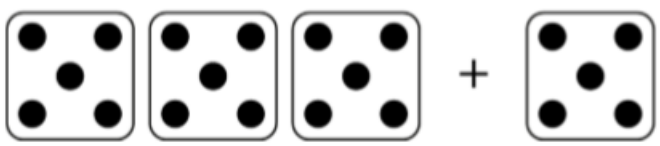

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Dòng nǎo jīn:

- *'Evie writes this in her book:'*

$3 = 2 + 1$

so

$$9 \times 3 = 9 \times 2 + 9 \times 1$$
$$= 18 + 1$$
$$= 19$$

'Is her calculation correct?'

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Chilli Challenge

'Simon has two sheets of stickers, with six stickers on each sheet. Cali also has two sheets of stickers, but she has only four stickers on each sheet.'

- *'How many stickers do they have altogether?'*
- *'How many more stickers does Simon have than Cali?'*

'Last week, Sam ran five kilometres each day on Monday, Tuesday and Wednesday. This week she ran five kilometres on both Monday and Tuesday. How far has she run altogether?'

'The school cook has eight ten-kilogram bags of potatoes. He uses three of the bags. How many kilograms of potatoes does he have left?'

'Jemima saved £6 a week for five weeks, then £4 a week for the next five weeks. How much did she save in total?'