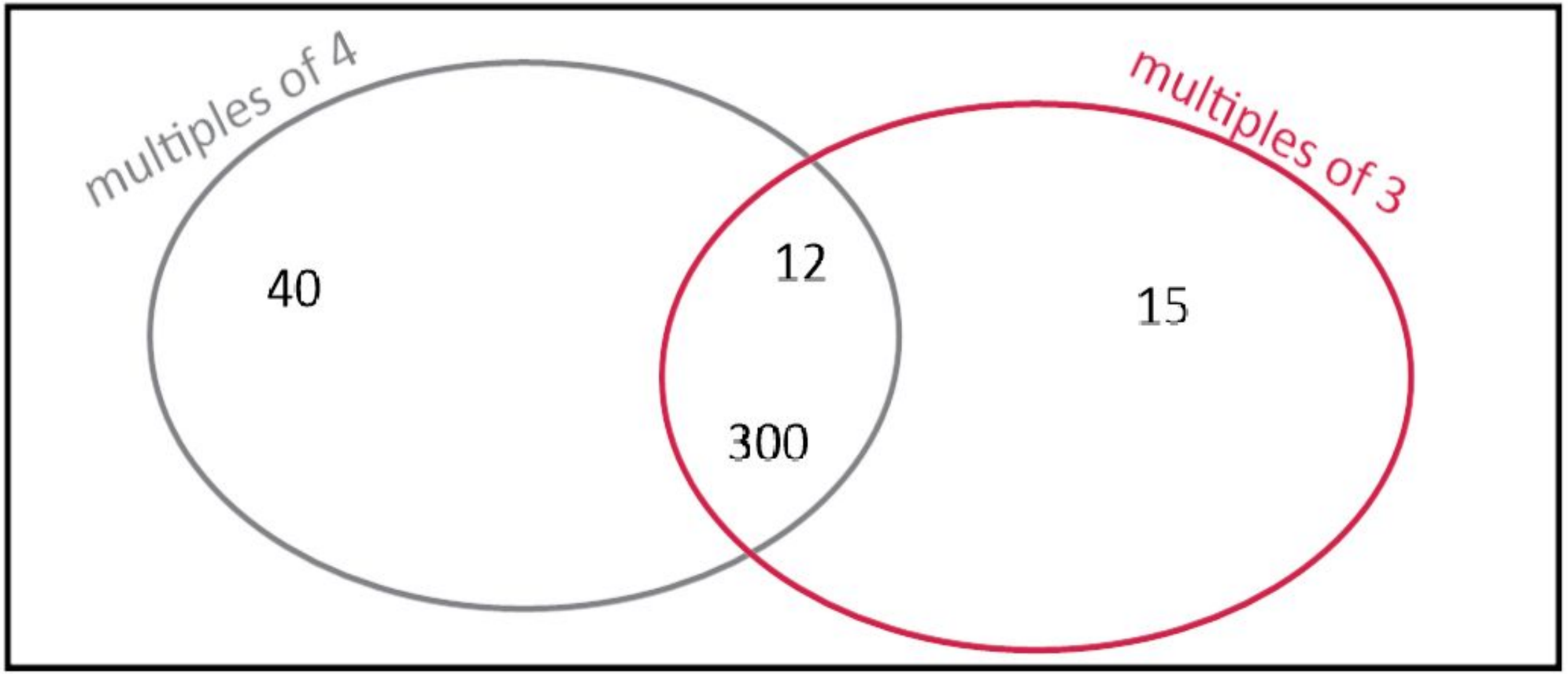
# Securing Multiplication Facts: Consolidation and Review Worksheet

Mr Ward

# Warm up - Venn Diagram

How many multiples of 4 and 3 can you place correctly onto the venn diagram?



# Blank 100 squares for lesson tasks

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
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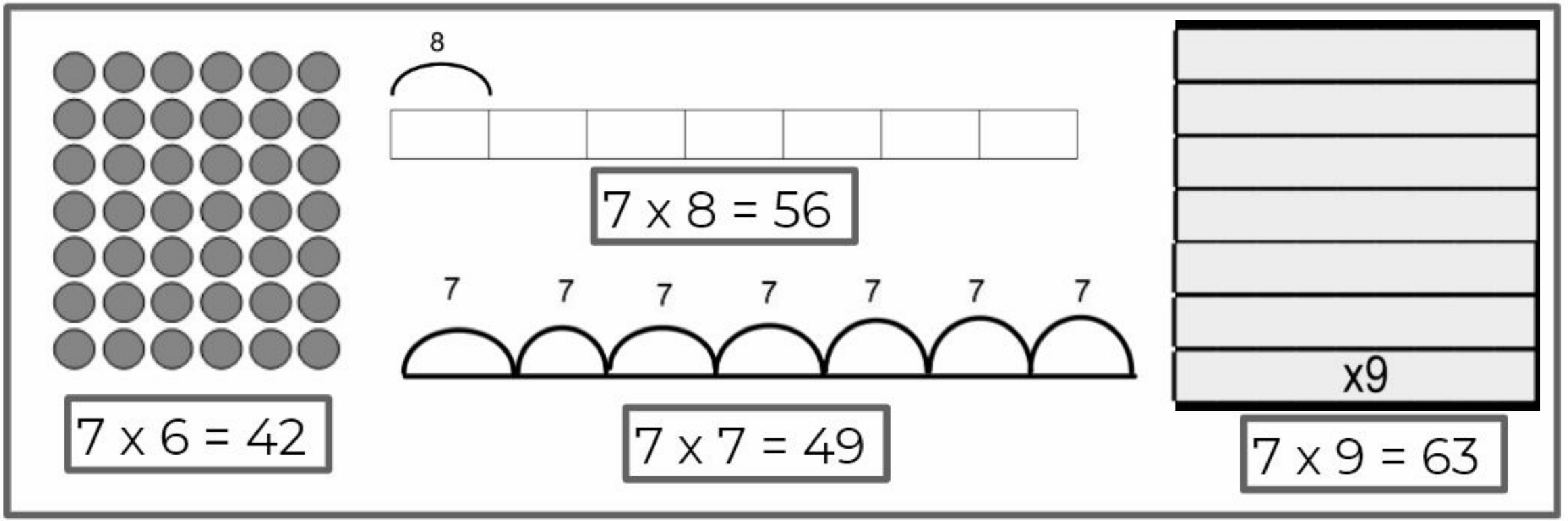
# Representing multiplications

Can you identify the equation based on the representation?



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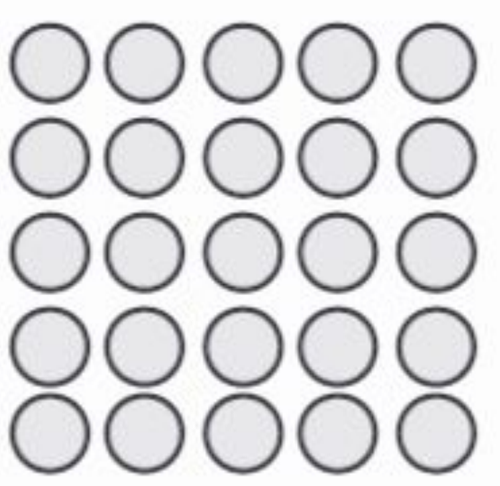

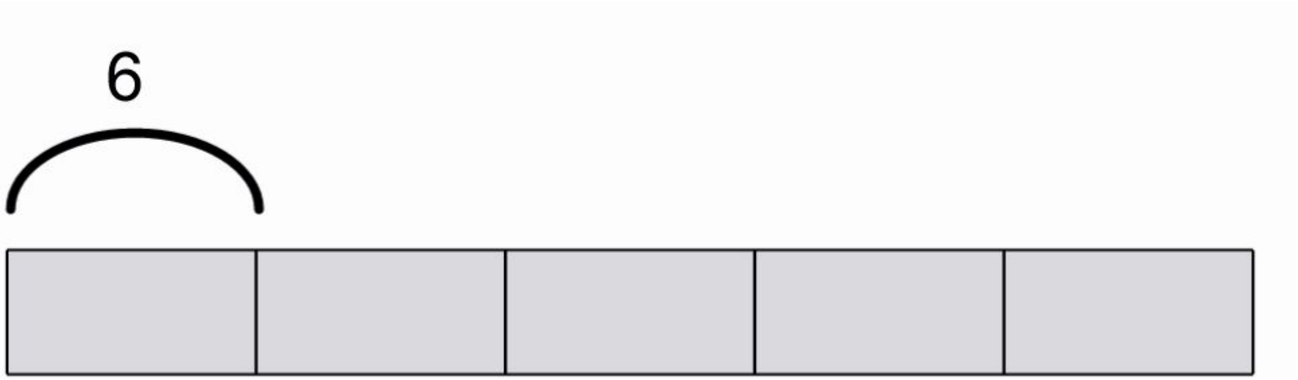

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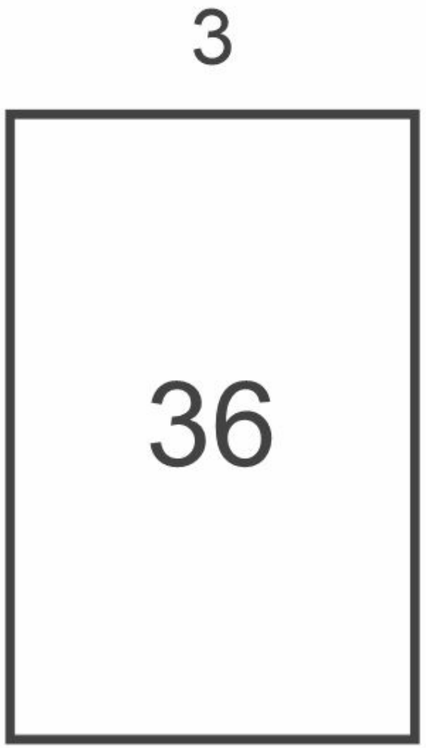
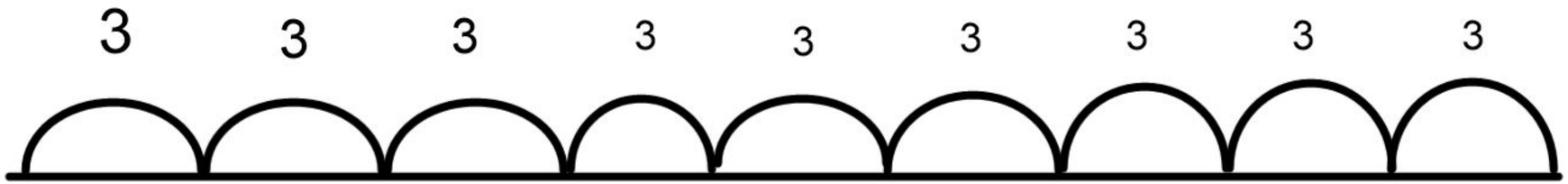
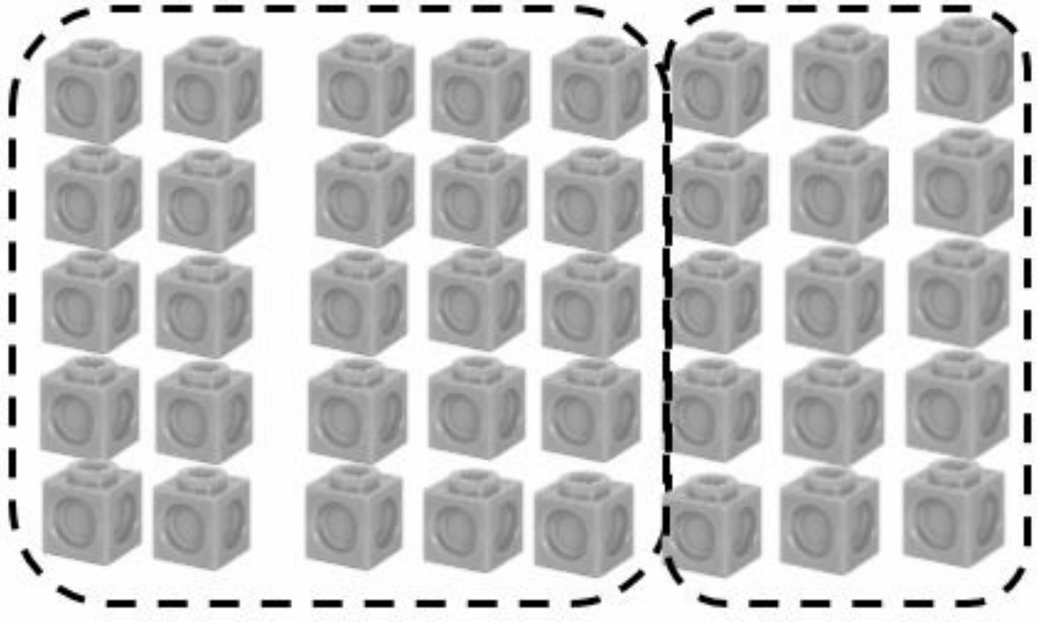


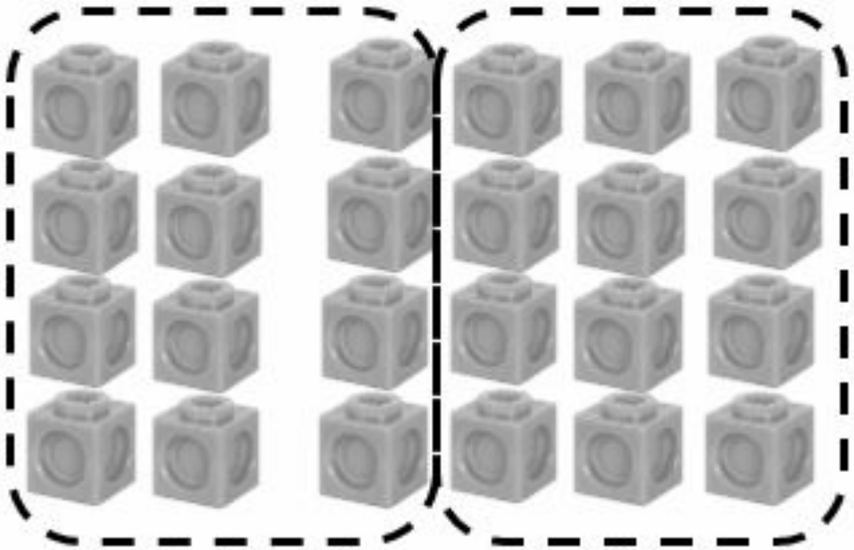




**10 x 3 + 10 x 3 + 2 x 3**

# Representing multiplications

## What is the multiplication shown?





# Representing multiplications

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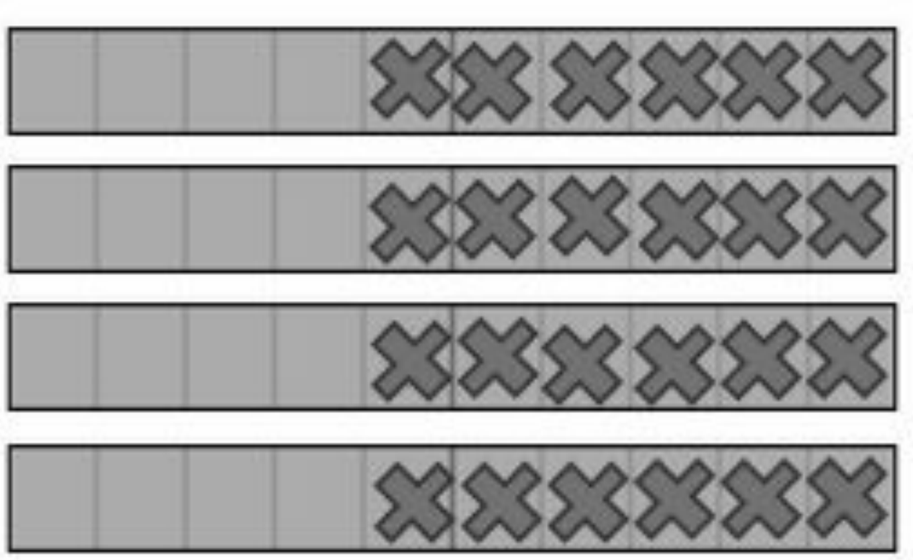

?

# True or False. Discuss your reasoning

Do you agree or disagree with the following statements made by Joe?
Can you explain your reasoning for why he is right or wrong?
You can use a 100 square to help if you would like!

There is only one number that is a multiple of seven and nine.

It's 63

I know this because 7 x 9 = 63

| | | | | | | | | | |
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# True or False. Discuss your reasoning

Do you agree or disagree with the following statements made by Joe?
Can you explain your reasoning for why he is right or wrong?
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There is only one multiple of 9 on each row of a 10 x 10 grid?

| | | | | | | | | | |
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# True or False. Discuss your reasoning

Do you agree or disagree with the following statements made by Joe?
Can you explain your reasoning for why he is right or wrong?
You can use a 100 square to help if you would like!

The product 39 can only be created by the multiplication 1 x 39?

| | | | | | | | | | |
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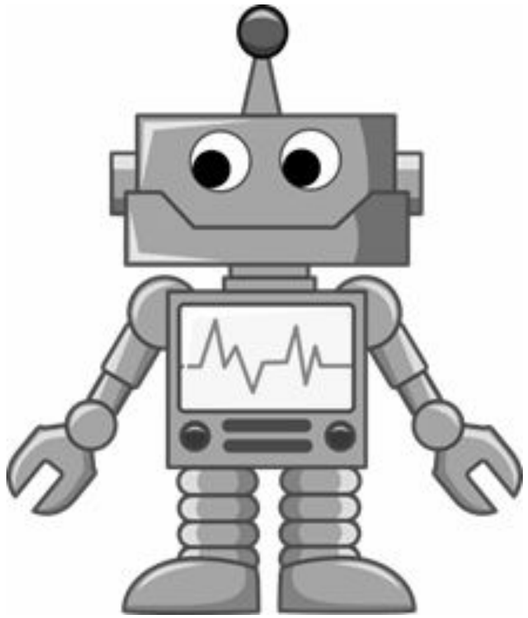
# Moving Multiples

Mike the Machine is being cheeky and playing around with the multiples!
Read the numbers carefully and answer the questions you see.



Here are the first ten multiples of seven:

**7, 14, 21, 28, 35, 42, 49, 56, 63, 70**

Mike the Machine increases each multiple by the same value:

**11, 18, 25, 32, 39, 46, ...**

What do you notice about the digits in the ones place?

Will the number 73 and 88 be in this new pattern?

Can you name identify a 3-digit number in the new pattern?

# Moving Multiples

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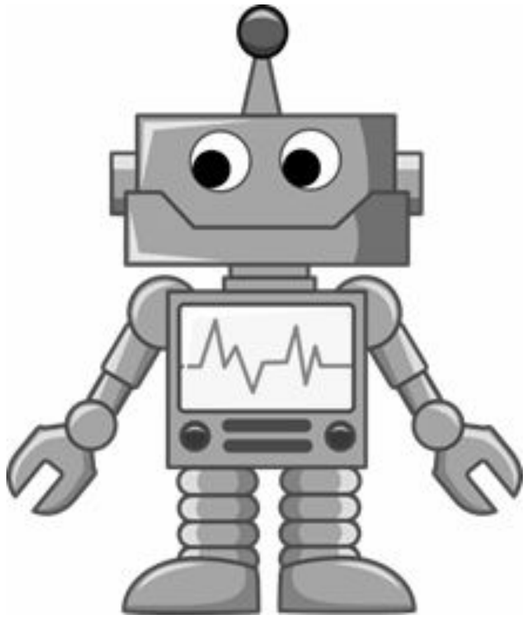

Here are the first ten multiples of nine:

**9, 18, 27, 36, 45, 54, 63, 72, 81, 90**

Mike the Machine increases each multiple by the same value:

**15, 24, 33, 42, 51, 60, ...**

What do you notice about the digits in the ones place?

Will the number 87 and 114 be in this new pattern?

Can you name identify a 3-digit number in the new pattern?

# Mystery Number

Read the clues carefully.

Eliminate the possible answers until you are left with one.

Double check the clues again!

Use your 100 square to help.

**I am thinking of a number**

1. It is a multiple of 7
2. The number is greater than 30 but less than 100
3. It is not a multiple of 9 or 6
4. It is an even number where one digit has a value less than 6
5. The sum of the digits is 11

**What is the number?**

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# Mystery Number

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Use your 100 square to help.

**I am thinking of a number**

1. It is a multiple of 5
2. The number is greater than 5 but less than 50
3. It is not a multiple of 8, 4 or 3
4. It is an odd number where one digit has a value greater than 2
5. The sum of the digits is 8

**What is the number?**

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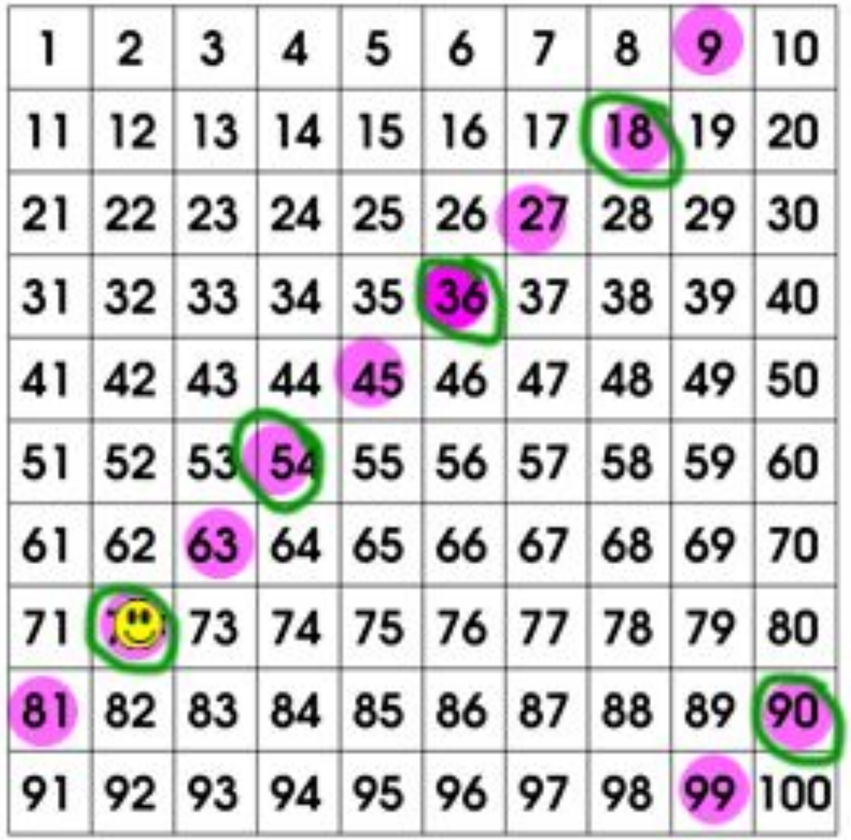
# Challenge Slide

Can you work out what the clues would be for 72 to be the mystery number?

**I'm thinking of a number less than 100.**



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