

To be able to recall multiples of 3



Starter:

Which number below is not a multiple of 3?

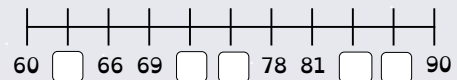
3 30 15 24 8 9 18

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Activity 1:

Can you complete the number line?



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Activity 2:

Complete the calculations.

$3 \times 6 = \square$

$1 \times 3 + 5 \times 3 = \square$

$7 \times 3 = \square$

$1 \times 3 + 11 \times 3 = \square$

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Activity 3:

These are all multiples of 3. Find the sum of the digits of each number. What do you notice?

45

54

72

63

123

87

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Activity 4:

Astrobees says, "I know that $10 \times 3 = 30$ and $3 \times 3 = 9$, so $13 \times 3 = 39$. Use Astrobee's method to work out the following:

$14 \times 3 = \square$

$17 \times 3 = \square$

$16 \times 3 = \square$

$18 \times 3 = \square$

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Activity 5:

Chen has a tower that is 9cm tall.

Astrobees's tower is three times the height of Chen's.

How much taller is Astrobee's tower than Chen's?



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Activity 6:

James has three times as many stickers as Ruth.
Ruth has three times as many stickers as Yasmin.
Ruth has 18 stickers.

How many stickers do they have in total?



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Evaluation:

I am thinking of
three multiples of
3 between 0 and
30. The sum of my
numbers is 39.



What could Astrobee's numbers be?