To be able to identify multiples of whole numbers

MathShed

Starter:

Which one doesn't belong?

Explain your answer.

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Activity 1:

Put a cross over any number that is not a multiple of 5.

55 40 63 900 87 5,555

What do you notice about multiples of 5?

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Activity 2:

Respond to the following statements in full.

a) 2,345 is not a multiple of 2.
True or false?

b) 5,432 is not a multiple of 5.
True or false?

c) 1,234 is a multiple of 10.
True or false?

d) 2,310 is a multiple of 2, 5 and 10.
True or false?

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Activity 3:

Draw two digit cards from 1 – 6 each time, then complete the table below:

Card 1	Card 2	Product	Multiple of...
3	4	12	1, 2, 3, 4, 6, 12

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Activity 4:

Draw two digit cards from 1 – 9 each time, then complete the grid below:

x	1	2	3	4	5	6	7	8	9
1									
2									
3									
4									
5									
6									
7									
8									
9									

Do some multiples fit in more than one space?

Which number(s) appear most often in the table? Why might that be?

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Activity 5:

Solve the word problems below.

a) Jamal has an amount of money that is a multiple of nine and is three less than a multiple of seven. It is more than £10, but less than £40.
What amount of money does Jamal have? Explain your answer.

b) Ruth has received a parcel. Its total weight is less than 50 kg, a multiple of seven and five more than a multiple of six.
How much does Ruth's parcel weigh? Explain your answer.

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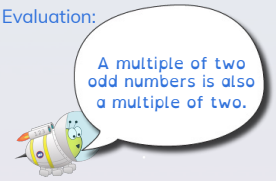
Evaluation:



Is Astrobee's statement sometimes, always or never true?
Explain your answer.