

To be able to multiply 2-digit numbers by 1-digit numbers **MathShed**

Starter:
What's the same? What's different?

Explain your answer.

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Activity 1:
Use Base 10 pieces and a place value chart to calculate:

a) $2 \times 23 =$
b) $2 \times 32 =$
c) $3 \times 31 =$
d) $4 \times 22 =$

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Activity 2:
Complete the calculations so they match the representations within the place value chart below.

tens	ones

+ + + =

x =

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Activity 3:
Use a place value chart and counters to help you complete the calculations below:

	T	o
	3	2
x		2

	T	o
	3	4
x		2

	T	o
	4	3
x		2

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Activity 4:
Ruth has made a mistake.
What has she done wrong?
Explain what she should have done.

	H	T	o
		3	4
x			2
	6	0	8

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Activity 5:
James has made a mistake.
What has he done wrong?
Explain what he should have done.

		T	o
		3	4
x			2
			8
	+		6
		1	4
		1	

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Evaluation:



$2 \times 33 = 22 \times 3$

Is Astrobee's statement true or false?
Explain your answer.