

To be able to multiply by 10



Starter:

Which one doesn't belong?



Explain your answer.

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Activity 1:

Use a variety of mathematical equipment to help you calculate...

- a) $3 \times 10 =$
- b) $10 \times 5 =$
- c) $4 \times 10 =$
- d) $10 \times 7 =$
- e) $10 \times 9 =$
- f) $8 \times 10 =$
- g) $6 \times 10 =$

tens	ones

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Activity 2:

Match the number story to the relevant bar model.

- Seven friends pick ten apples each

10	10	10	10	10
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- Ten falcons each catch eight mice

4	4	4	4	4	4	4	4	4	4
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- Five policemen each catch ten burglars

10	10	10	10	10	10	10	10
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- Ten cowboys each round up four cows

8	8	8	8	8	8	8	8	8	8
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Activity 3:

Complete the statements below.

Each of the rows has tens and ones.
So, each row has a total of .

There are rows in total.

The calculation represented is:
 \times = or \times =

tens	ones

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Activity 4:

Is the following statement always, sometimes or never true?

When using a place value chart to multiply by 10, you move the digits one place to the right.

Explain your answer.

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Activity 5:

Ruth has multiplied a two-digit number by 10 and has received a result between 640 and 740 (not including 640 and 740).

What possible calculations might she have performed?

Explain your answer.

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Evaluation:



I have used a place value chart to multiply 53 by 10. The answer is 503.

hundreds	tens	ones
	5	3
5	0	3

Do you agree with Astrobee's result?
Explain your answer.