
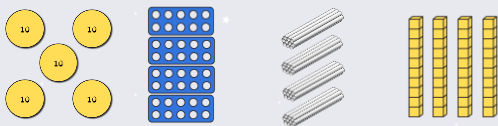


To be able to multiply by 10




Starter:
Which one doesn't belong?




Explain your answer.

To be able to multiply by 10




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
	

To be able to multiply by 10



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
---	---	---	---	---	---	---	---	---	---


Five policemen each catch ten burglars

10	10	10	10	10	10	10	10
----	----	----	----	----	----	----	----

Ten cowboys each round up four cows

8	8	8	8	8	8	8	8	8	8
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To be able to multiply by 10























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
	
	
	
	
	
	
	
	
	
	

To be able to multiply by 10




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.

To be able to multiply by 10



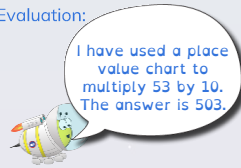
Activity 5:
Ruth has multiplied a two-digit number by 10 and has received a result between 640 and 740 (not including 640 and 740).

What possible calculations might she have performed?
Explain your answer.

To be able to multiply by 10



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.