

TUESDAY

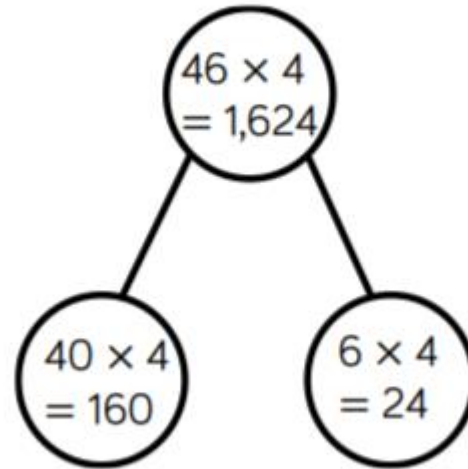
LO: Solve problems  
involving multiplication

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# Recap

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Ron is calculating 46 multiplied by 4 using the part-whole model.

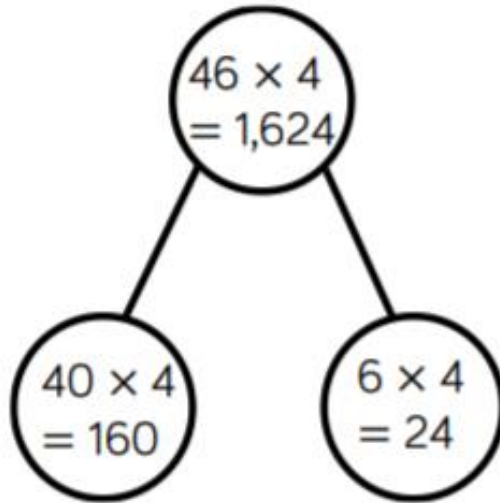


Can you explain Ron's mistake?

*Answer*

# Recap

Ron is calculating 46 multiplied by 4 using the part-whole model.



Can you explain Ron's mistake?

Ron has multiplied the parts correctly, but added them up incorrectly.

$$160 + 24 = 184$$

Yesterday we learnt to multiply a two-digit number with a one-digit number.

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How is multiplying a three-digit number by one-digit similar to multiplying a two-digit number by one-digit?

Would you use counters to represent  $84$  multiplied by  $8$ ? Why?
















Click on the following link for the steps to multiply 3 digit number with 1 digit number

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<https://www.khanacademy.org/math/arithmetic/arith-review-multiply-divide/arith-review-multi-digit-mult/v/3-digit-times-1-digit-example-no-carrying>

## TASK 1

Complete the calculation.

Hundreds	Tens	Ones
 		  
 		  
 		  

	H	T	O
	2	0	3
×			3

## TASK 2

A school has 4 house teams.  
There are 245 children in each house team.  
How many children are there altogether?

Hundreds	Tens	Ones
 	   	    
 	   	    
 	   	    
 	   	    

	H	T	O
	2	4	5
×			4

## TASK 3

Write the multiplication represented by the counters and calculate the answer using the formal written method.

Hundreds	Tens	Ones
  	    	
  	    	

# TASK 4

## Spot the mistake

Alex and Dexter have both completed the same multiplication.



Alex

	H	T	O
	2	3	4
x			6
<hr/>			
1	2	0	4
	2	2	



Dexter

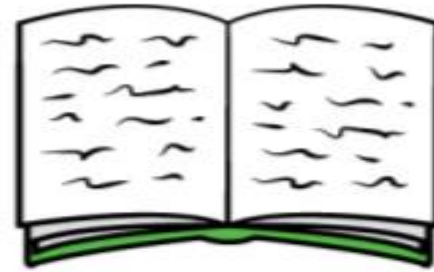
	H	T	O
	2	3	4
x			6
<hr/>			
1	4	0	4
	2	2	

Who has the correct answer?

What mistake has been made by one of the children?

# TASK 5

Teddy and his mum were having a reading competition.  
In one month, Teddy read 814 pages.



His mum read 4 times as many pages as Teddy.

How many pages did they read altogether?

How many fewer pages did Teddy read?  
Use the bar model to help.

Teddy

814

Mum

814

814

814

814



# TASK 4

## Spot the mistake

Alex and Dexter have both completed the same multiplication.



Alex

	H	T	O
	2	3	4
×			6
1	2	0	4

2 2



Dexter

	H	T	O
	2	3	4
×			6
1	4	0	4

2 2

Who has the correct answer?

What mistake has been made by one of the children?

Dexter has the correct answer.

Alex has forgotten to add the two hundreds she exchanged from the tens column.

# TASK 5

Answer

Teddy and his mum were having a reading competition.  
In one month, Teddy read 814 pages.



His mum read 4 times as many pages as Teddy.

How many pages did they read altogether?

How many fewer pages did Teddy read?  
Use the bar model to help.

Teddy 

814
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Mum 

814	814	814	814
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$$814 \times 5 = 4,070$$

They read 4,070 pages altogether.

$$814 \times 3 = 2,442$$

Teddy read 2,442 fewer pages than his mum.