



11.01.21

IALT: practise the informal method.

$$737 + 577 =$$

$$46 + 489 =$$

$$4782 - 478 =$$

$$145 - 87 =$$

$$647 + 737 =$$

$$\begin{array}{r} 1 \\ \hline 8 \end{array} + \begin{array}{r} 5 \\ \hline 8 \end{array}$$

Challenge:  
Simplify this.

<https://www.topmarks.co.uk/maths-games/daily10>

# Daily Counting

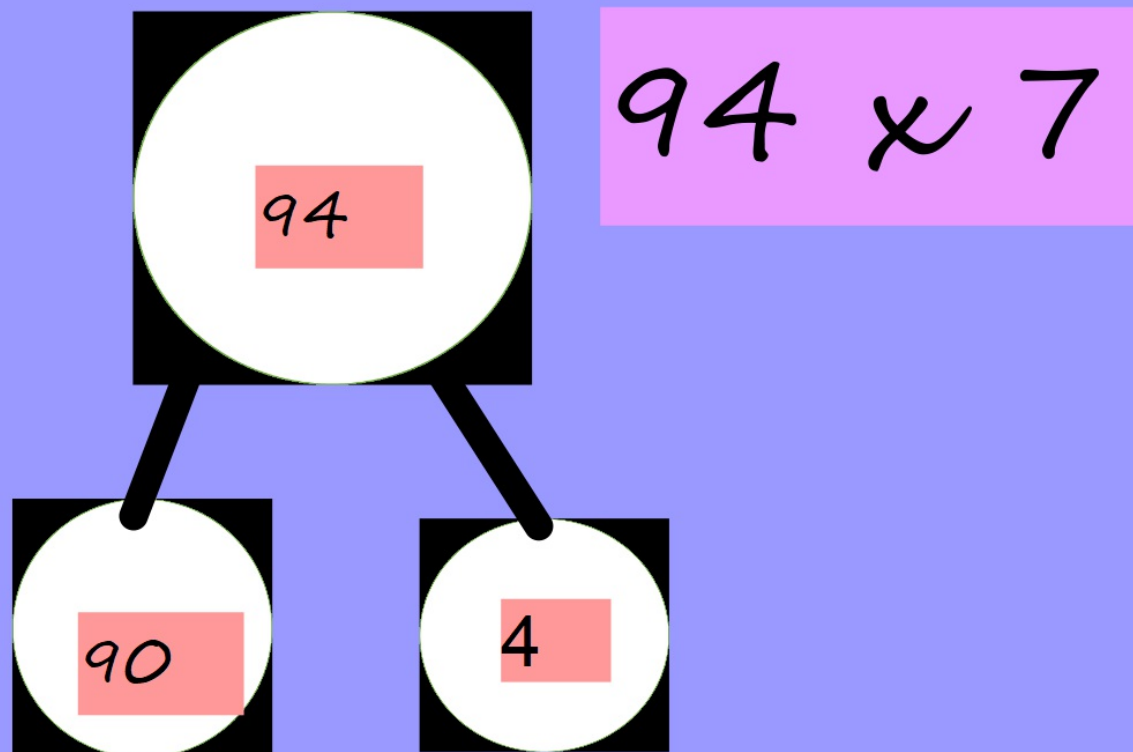
10

8

7

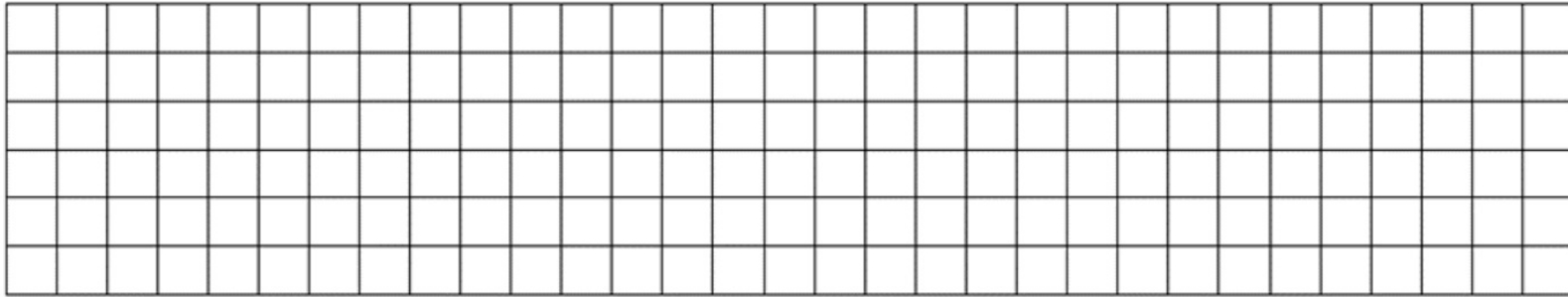


Try and explain how we could use this method to work this question out:



Try and explain how we can use this method to work this question out:

$$31 \times 6$$



$$30 \times 6 =$$

$$1 \times 6 =$$

Try and explain how we can use this method to work this question out:

$$74 \times 4$$

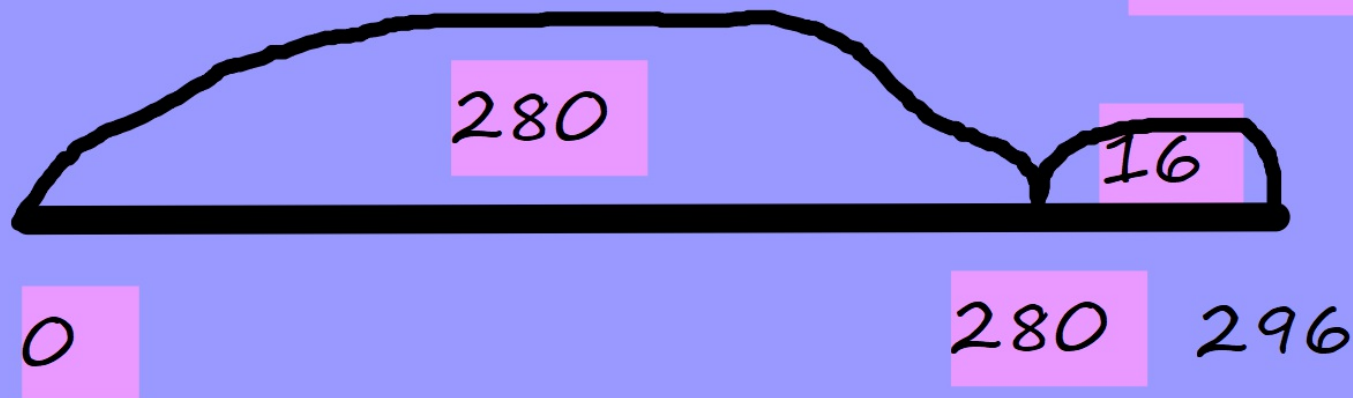
	+74		+74		+74
<hr/>					
74	148		222		296

Explain to me how we are going to use this method to work this out:

$$74 \times 4$$

$$70 \times 4 = 280$$

$$4 \times 4 = 16$$



Mild:

$$83 \times 6$$

$$47 \times 2$$

$$47 \times 8$$

$$26 \times 4$$

$$91 \times 4$$

$$83 \times 6$$

$$48 \times 8$$

$$28 \times 8$$

$$92 \times 7$$

Chose your

Informal Method.

Spicy:

$$267 \times 4$$

$$288 \times 3$$

$$37 \times 6$$

$$74 \times 5$$

$$29 \times 3$$

$$482 \times 7$$

$$83 \times 3$$

$$47 \times 2$$

Chose your

Informal

Method.

Hot:

$$378 \times 5$$

$$378 \times 3$$

$$473 \times 6$$

$$372 \times 2$$

$$968 \times 4$$

$$480 \times 3$$

$$464 \times 3$$

$$745 \times 2$$

$$984 \times 6$$

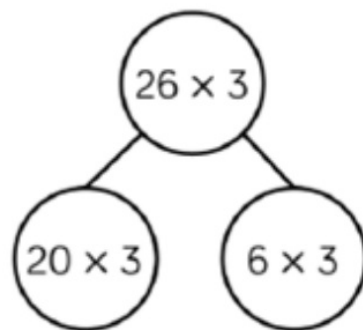
Chose your Informal

Method.

# Mild:

Rosie uses Base 10 and a part-whole model to calculate  $26 \times 3$ .  
Complete Rosie's calculations.

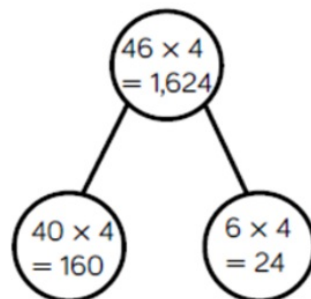
Tens	Ones



Use Rosie's  
method to work  
out:  
 $36 \times 3$   
 $24 \times 6$   
 $45 \times 4$

# Spicy:

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



Can you explain Ron's mistake?



## Answers:

Mild:

$$83 \times 6 = 498$$

$$47 \times 2 = 94$$

$$47 \times 8 = 376$$

$$26 \times 4 = 104$$

$$91 \times 4 = 364$$

$$83 \times 6 = 498$$

$$48 \times 8 = 384$$

$$28 \times 8 = 224$$

$$92 \times 7 = 644$$

Chose your

Informal Method.

Spicy:

$$267 \times 4 = 1068$$

$$288 \times 3 = 864$$

$$37 \times 6 = 222$$

$$74 \times 5 = 370$$

$$29 \times 3 = 87$$

$$482 \times 7 = 3374$$

$$83 \times 3 = 249$$

$$47 \times 2 = 94$$

Chose your

Informal

Method.

Hot:

$$378 \times 5 = 1890$$

$$378 \times 3 = 1134$$

$$473 \times 6 = 2838$$

$$372 \times 2 = 744$$

$$968 \times 4 = 3872$$

$$480 \times 3 = 1440$$

$$464 \times 3 = 1392$$

$$745 \times 2 = 1490$$

$$984 \times 6 = 5904$$

Chose your Informal

Method.

# Mild:

# Answers:

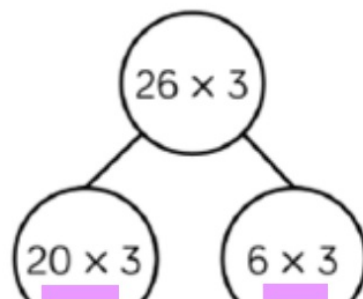
Rosie uses Base 10 and a part-whole model to calculate  $26 \times 3$ . Complete Rosie's calculations.

Tens	Ones
	
	
	

60

18

$$60 + 18 = 78$$



60

18

$$60 + 18 = 78$$

Use Rosie's method to work out:

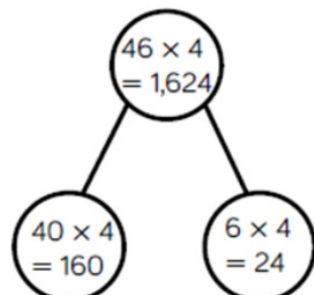
$$36 \times 3 = 108$$

$$24 \times 6 = 168$$

$$45 \times 4 = 180$$

# Spicy:

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



$$160 + 24 = 184$$

Can you explain Ron's mistake?