



13.01.21

IALT: use short multiplication with 3 digit and 1 digit numbers.

$$55 + 6$$

$$743 \times 2$$

$$46 \times 3$$

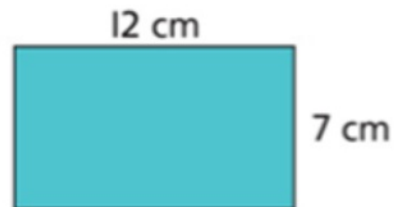
$$75 - 3$$

$$4 \times 5 \times 2$$

$$6 \times 2 \times 8$$

Challenge

2 What is the perimeter?



A 48 cm

B 19 cm

C 84 cm

D 38 cm

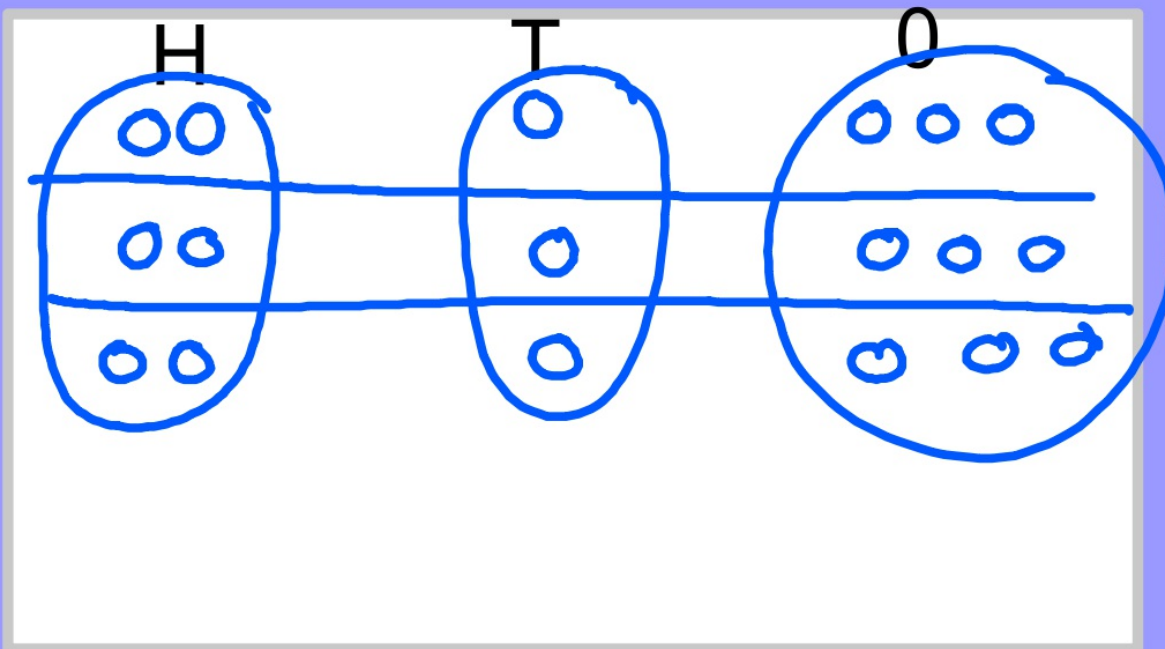
<https://www.topmarks.co.uk/maths-games/daily10>

Daily Counting

8

7



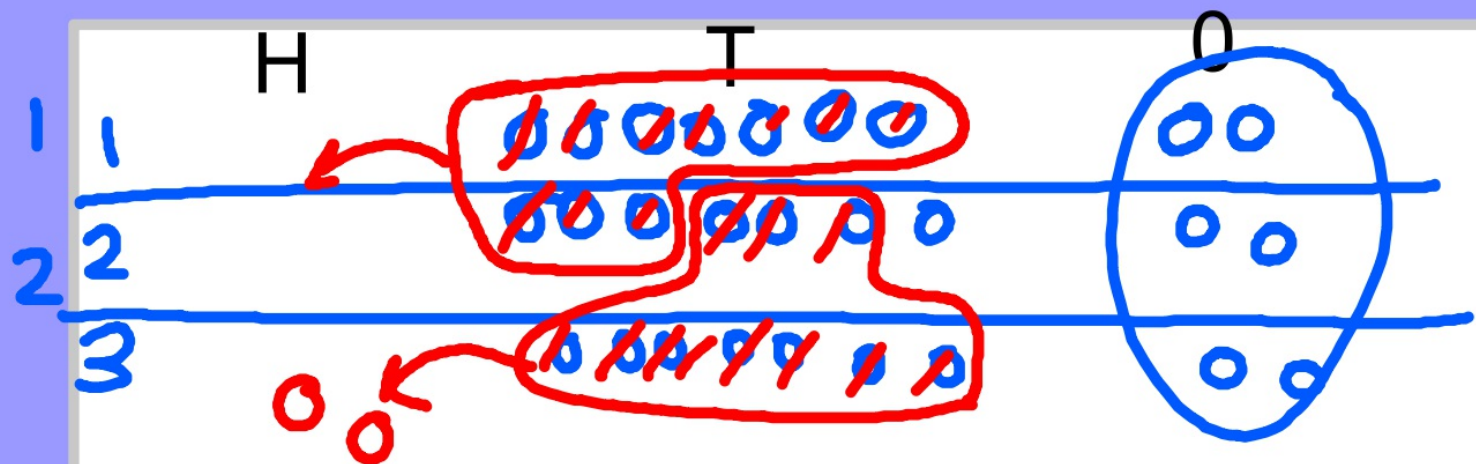


$$\begin{array}{r} 213 \\ \times \quad 3 \\ \hline \end{array}$$

Can you explain what method I used to solve 213×3 ? What does it equal?

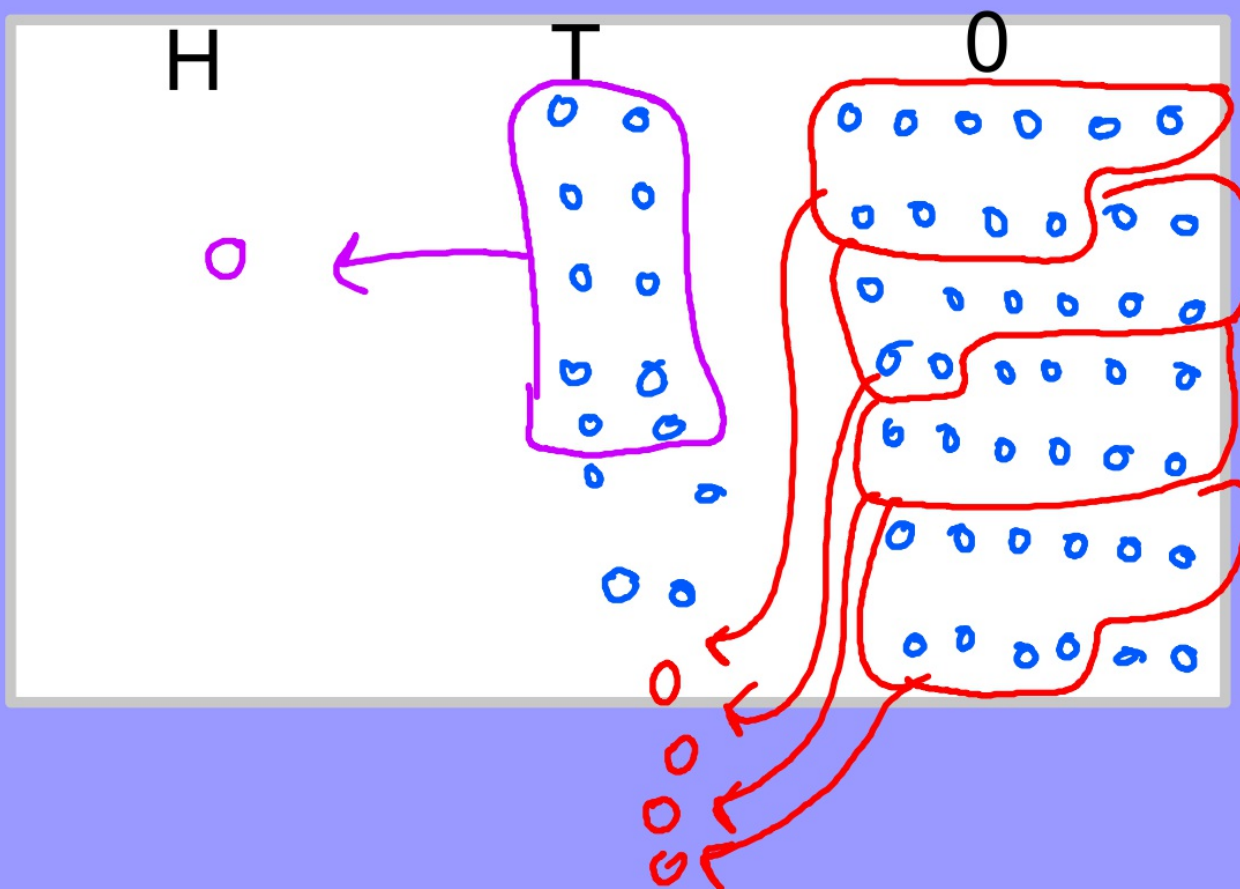
		7	2	
	x		3	

Can you explain what method I used to solve 72×3 ? What does it equal? What is different this time?



		2	6	
	x		7	

Can you explain what method I used to solve 26×7 ? What does it equal? What is different this time? Where do the exchanges happen?



$$\begin{array}{r} 64 \\ \times 3 \\ \hline \end{array}$$

Try this one!
(Answers are on the
next page)

H

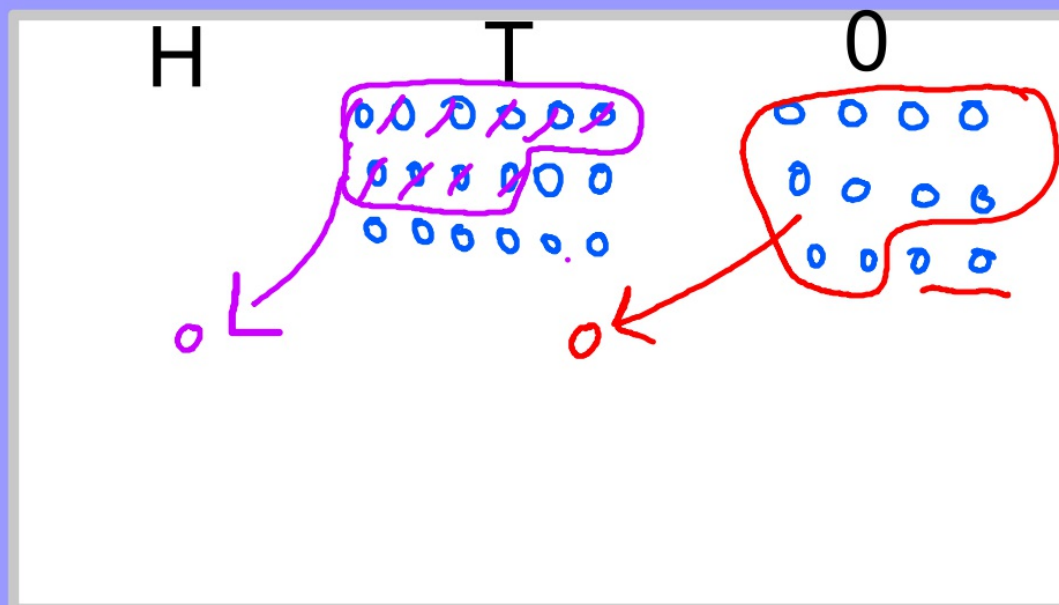
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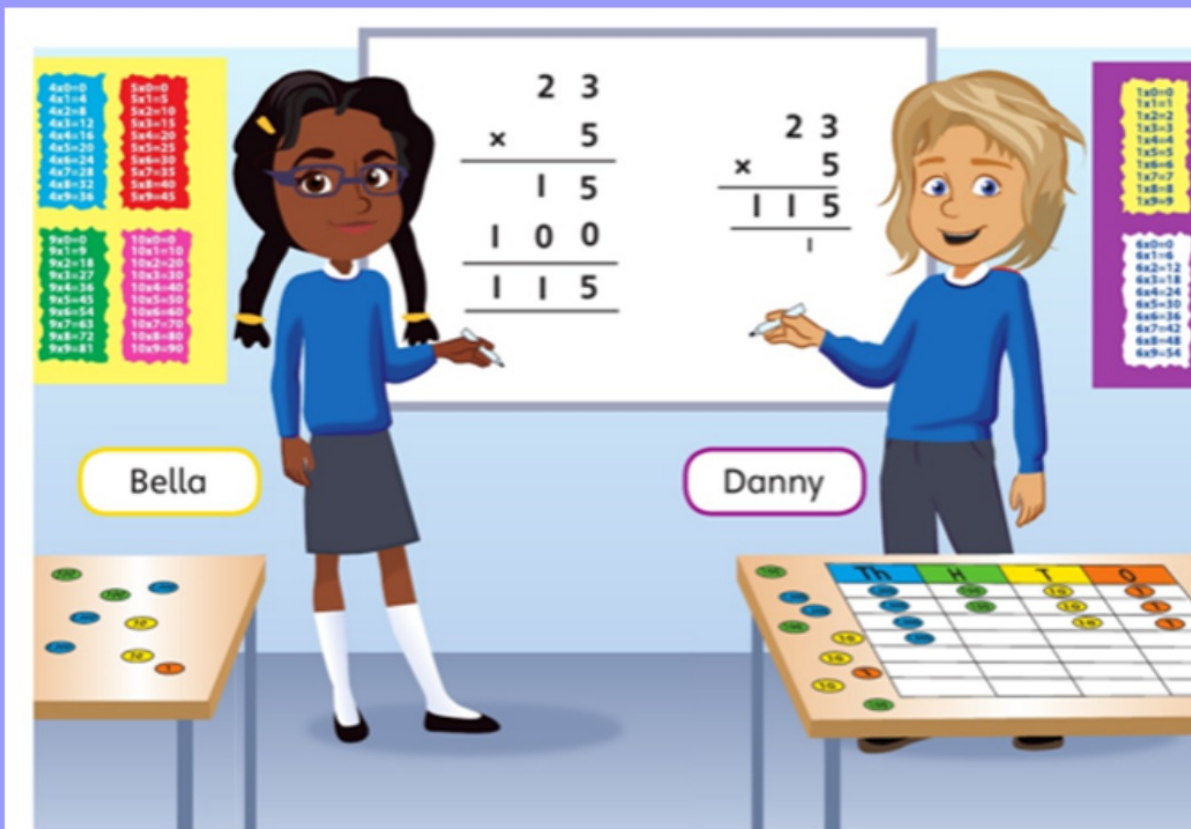
64
x 3

Answers:

192



How have they got the same answer when they worked it out in different ways?



- I a) Danny and Bella have used different methods to work out 23×5 .
What is the same and what is different about the two methods?
- b) Use place value counters to show what Danny has done.

One last try before book work:

What do you notice about the answers?

$$32 \times 4 = \boxed{}$$

$$23 \times 6 = \boxed{}$$

$$43 \times 7 = \boxed{}$$

$$38 \times 4 = \boxed{}$$

Th

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O

$$24 \times 3$$

$$65 \times 4$$

$$32 \times 6$$

$$41 \times 8$$

$$542 \times 4$$

$$352 \times 3$$

$$665 \times 5$$

$$123 \times 4$$

Tasks in book:

Can you check with long multiplication...?

Answers:

$$24 \times 3 = 72$$

$$65 \times 4 = 260$$

$$32 \times 6 = 192$$

$$41 \times 8 = 328$$

$$542 \times 4 = 2168$$

$$352 \times 3 = 1056$$

$$665 \times 5 = 3325$$

$$123 \times 4 = 492$$

Can you check with long multiplication...?

Mild:

- 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
100 100	10 10 10 10	1 1 1 1 1				
100 100	10 10 10 10	1 1 1 1 1		2	4	5
100 100	10 10 10 10	1 1 1 1 1	x			4
100 100	10 10 10 10	1 1 1 1 1				

Spicy:

Here are three incorrect multiplications.

	T	O
	6	1
x		5
	3	5

	T	O
	7	4
×		7
<hr/>		
4	9	8

	T	O
	2	6
x		4
<hr/>		
8	2	4

Correct the multiplications.

Mild

Answers:



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

Hundreds		Tens				Ones				
100	100	10	10	10	10	1	1	1	1	1
100	100	10	10	10	10	1	1	1	1	1
100	100	10	10	10	10	1	1	1	1	1
100	100	10	10	10	10	1	1	1	1	1

	H	T	O
	2	4	5
x			4

980

Spicy

Answers:

$$\begin{array}{r} 61 \\ \times 5 \\ \hline 305 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 26 \\ \times 4 \\ \hline 104 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 74 \\ \times 7 \\ \hline 518 \\ \hline 52 \end{array}$$

Here are three incorrect multiplications.

	T	O
	6	1
\times		5
<hr/>		
	3	5

	T	O
	7	4
\times		7
<hr/>		
4	9	8

	T	O
	2	6
\times		4
<hr/>		
8	2	4

Correct the multiplications.