

## The 4 Times Table

I have forgotten what  
 $4 \times 4$  is.



Jack says,  
“The answer is more than  $3 \times 4$ ”

Complete the calculation to prove this.  
 $4 \times 4 = 3 \times 4 + \underline{\quad}$

Mo says,  
“The answer is 4 less than  $5 \times 4$ ”

Complete the calculation to prove this.  
 $4 \times 4 = \underline{\quad} \times 4 - \underline{\quad}$

Teddy says,  
“The answer is double  $2 \times 4$ ”

Complete the calculation to prove this.  
 $4 \times 4 = \underline{\quad} \times 4 \times \underline{\quad}$

Whose idea do you prefer? Why?

Which part below does not show counting in fours?

$4 + 4 + 4 + 4$	A collection of 16 red circles, each with the number '1' inside. They are scattered in a way that does not form any groups of four.
A 4x4 grid of colored diamonds. The top row has 4 yellow diamonds, the second row has 4 red diamonds, the third row has 4 blue diamonds, and the bottom row has 4 green diamonds.	Three separate boxes, each containing the number '4'.

Explain why.

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## Reasoning and Problem Solving

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Whose idea do you prefer? Why?

$$\begin{aligned} 4 \times 4 &= 3 \times 4 + 4 \\ &= 12 + 4 \\ &= 16 \end{aligned}$$

$$\begin{aligned} 4 \times 4 &= 5 \times 4 - 4 \\ &= 20 - 4 \\ &= 16 \end{aligned}$$

$$\begin{aligned} 4 \times 4 &= 2 \times 4 \times 2 \\ &= 16 \end{aligned}$$

Which part below does not show counting in fours?

$4 + 4 + 4 + 4$				
	<table border="1"><tr><td>4</td><td>4</td><td>4</td></tr></table>	4	4	4
4	4	4		

Explain why.

The place value counters do not show counting in fours because each part has 3 in so it is counting in threes.