LO: To multiply 2 digit by 1 digit using exchanging

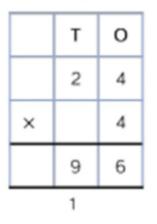
- •To use my knowledge of place value in my written method.
- •To use my times tables knowledge to solve calculations using written method.
- •To understand what happens when exchanging when using the written method.
- •To problem solve and reason using the written method.

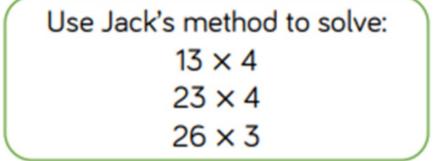
Key vocabualry: exchanging, multiplication, multiply,



Jack uses Base 10 to calculate 24×4

Tens	Ones	





These are the two methods we could use to solve T0 X 0. Use one of these methods to multiply the 3 questions above.



Jack uses Base 10 to calculate 24×4

Tens	Ones	

	Т	О
	2	4
×		4
	9	6
	1	

$$13 \times 4$$

$$23 \times 4$$

$$26 \times 3$$

$$13 \times 4 = 52$$

$$26 \times 3 = 78$$

What steps do we need to take to solve this reasoning question?

True or false? You don't need to exchange to calculate 34 x 4 using column multiplication.

Explain your answer using a sentence.



The answer is false, because when multiplying the ones (4x4) the answer is 16 and therefore I had to exchange

1

Flunecy:

$$17 \times 4 =$$

$$67 \times 2 =$$

Flunecy answers:

$$17 \times 4 = 68$$

$$67 \times 2 = 134$$

$$14 \times 8 = 112$$

Now that we can reason with column mehtod lets have a go at solving some problems, what steps do I need to take to to solve this problem?

Using these 3 number cards to fill in the blanks what calculation would get me closest to 150

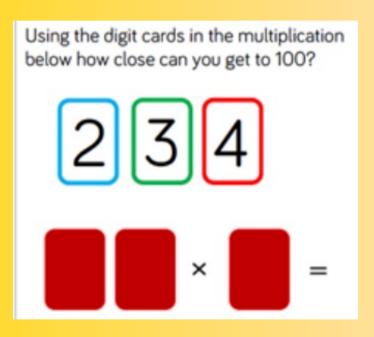
Explain your answer using a sentence.

4

5

2

Problem solving



Have a go at solving this problem on your own, using your white board.

Tina, Karren and Tracey, wrote 56 Christmas cards each, how many Christmas cards did they write altogether?

Altogether the 3 ladies wrote 168 Christmas cards.

Reasoning

Charlotte answered the question 27×3 , her answer is 6021

What mistake could she have made?

Answers



81

2

2 1

 $24 \times 3 = 72$ $32 \times 4 = 128$ $34 \times 2 = 68$ correctly. 6 tens and 2 tens should be added together to make 8 tens so the correct answer is

You can get within

 $23 \times 4 = 92$ this is the closest answer.

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