January

12 Times tables

 $12 \times 0 = 0$ $12 \times 1 = 12$

 $12 \times 2 = 24$ $12 \times 3 = 36$

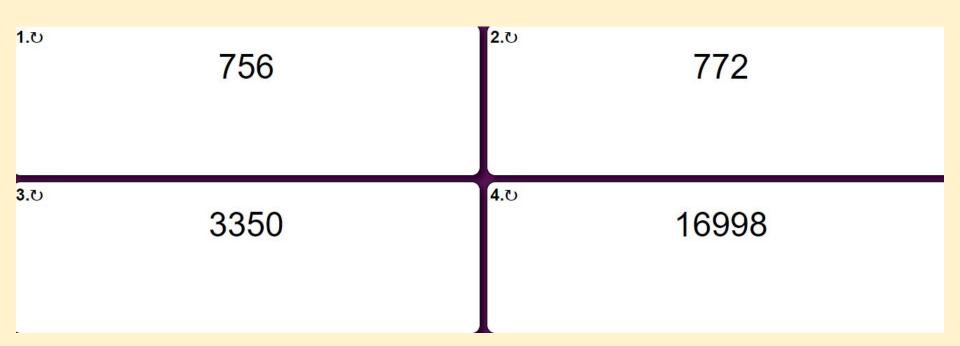
 $12 \times 4 = 48$ $12 \times 5 = 60$ $12 \times 6 = 72$ $12 \times 7 = 84$ $12 \times 8 = 96$ $12 \times 9 = 108$

 $12 \times 9 = 108$ $12 \times 10 = 120$ $12 \times 11 = 132$ $12 \times 12 = 144$

Arithmetic

1.v	2.₺
84 × 9	386 × 2
3.で	4.℧
670 × 5	5666 × 3

Answers



07.01.21

LO: To multiply 3 digits by 2 digits

Home learning video support if needed. Please click on link and watch video.

https://www.youtube.com/watch?v=RVYwunbpMHA



Math Antics - Multi-Digit Multiplication Pt 2

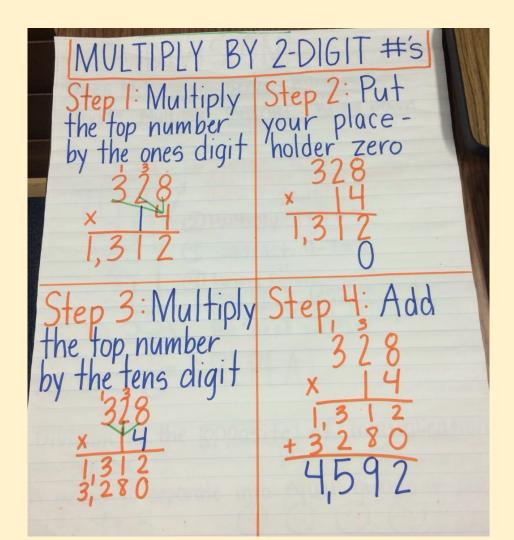
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Subtitles

Strategy





Complete:

		1	3	2
×			1	4
		5	2 1	8
	1	3	2	0

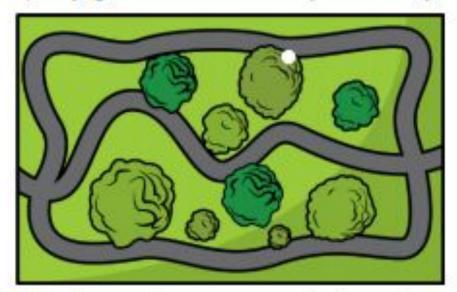
Use this method to calculate:

$$(132 \times 4)$$
 264×14 264×28

Home learning - use a calculator to check your answers



A playground is 128 yards by 73 yards.



Calculate the area of the playground.

Mathematical Talk

Why is the zero important?

What numbers are being multiplied in the first line and the second line?

When do we need to make an exchange?

What happens if there is an exchange in the last step of the calculation?

TASKs

Task 1 Complete the questions on this presentation

Task 2 complete the worksheet Thursday Worksheet, you decide where you start. Ensure you challenge yourself.

Once finished, do the thinking deeper questions on the next slides.

Mark your work once finished. Remember do not cheat. You will not learn that way.

Multiply 3-digits by 2-digits



Complete the multiplications.

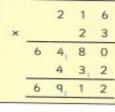
Complete the multiplications.



)						
				5	1	2
	×			-	2	4
			22	0	4	8
		1.		2	4	0



Brett is calculating 216 × 23



What mistake has Brett made? What is the correct answer?

	-	
	- 1.	
	180	

Complete the multiplications.

a) 142 × 21	

c) 214 × 53 =

															Γ		
			-														

b) 337 × 46 = d) 24 × 183 =



)	Some children are asked to work out 308 × 19	Write >, < or = to complete each statement.
	a) Which is the best estimate to use to check their answers?	
	Circle your choice and work out the answer to your estimate.	a) 146 × 64 () 164 × 46
	300 × 10 300 × 20 310 × 20 300 × 19	135 × 53 153 × 35
	estimate answer =	
	b) Explain the reasons for your choice.	
	c) Here are answers given by three children. Niigh 28.028 Filip 5.852 Whitney 2.080	b) What do you notice?
	Nijah 28,028 Filip 5,852 Whitney 2,080	Does this always happen?
	From your estimate, who do you think is correct?	
	d) Work out the correct answer.	Miss Rose is ordering some pencils.
		She orders 17 of pack A, 14 of pack B and 4 of pack C.
		Pack A Pack B Pack C
		20 100
	e) What mistakes might the others have made?	
)	A football pitch is 128 m long and 52 m wide.	How many pencils does Miss Rose order?
	a) What is the area of the pitch?	
		Each pencil costs 16p.
		How much does Miss Rose spend on pencils?
	b) A field is 25,000 m ² .	
	How many football pitches could fit in it?	

- Complete the multiplications.
 - a) 13 × 3 = 39 c) 25 × 4 = 100

- b) 130 x 2 = 260 d) 204 x 4 = 816
- 130 × 20 = 2,600 204 × 40 = 8,160
- Complete the multiplications.

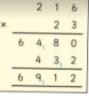
a)



			5	1	2	1				
ж				2	4	١,				,
		2,	0	4	8	(Siz	×	4)
	1,	0	2	4	0	(512] _* [20	1
	1	2	2	8	8	1	5.45	1 1		I.

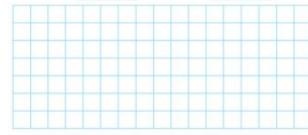
Brett is calculating 216 x 23

Moths



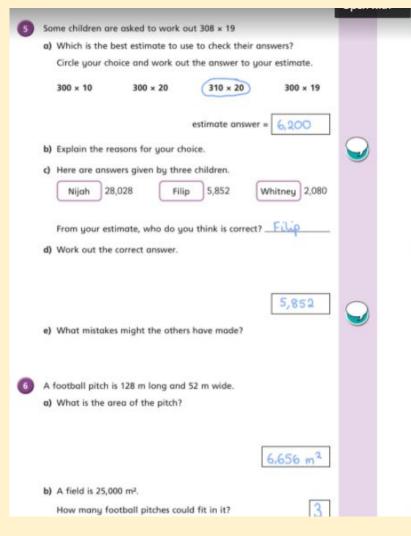
What mistake has Brett made? What is the correct answer?

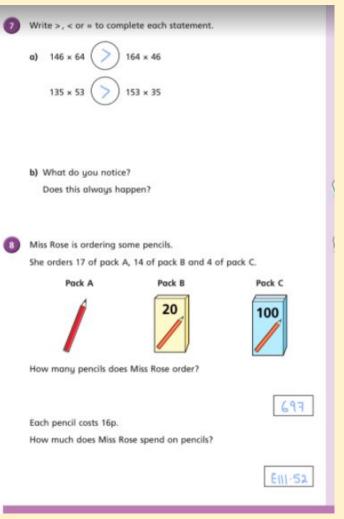
- Complete the multiplications.
 - a) 142 × 31 = 4,40 % c) 214 × 53 = 11,34 %



b) 337 × 46 = 15,502 d) 24 × 183 = 4,39 2







Thinking deeper

$$22 \times 111 = 2442$$

$$23 \times 111 = 2553$$

$$24 \times 111 = 2664$$

What do you think the answer to 25×111 will be?

What do you notice?

Does this always work?

Pencils come in boxes of 64
A school bought 270 boxes.
Rulers come in packs of 46
A school bought 720 packs.
How many more rulers were ordered than pencils?

Answers

22 × 111 = 2442

 $23 \times 111 = 2553$

 $24 \times 111 = 2664$

What do you think the answer to 25×111 will be?

What do you notice?

Does this always work?

Pencils come in boxes of 64
A school bought 270 boxes.
Rulers come in packs of 46
A school bought 720 packs.
How many more rulers were ordered than pencils?

The pattern stops at up to 28 × 111 because exchanges need to take place in the addition step.

15,840