January

12 Times tables

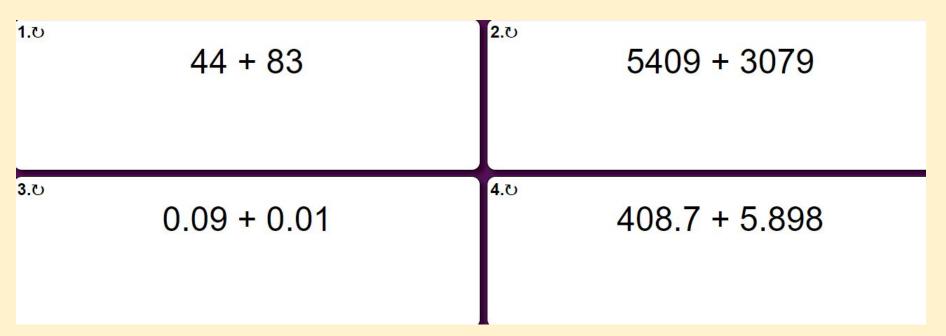
 $12 \times 0 = 0$ $12 \times 1 = 12$

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

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

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

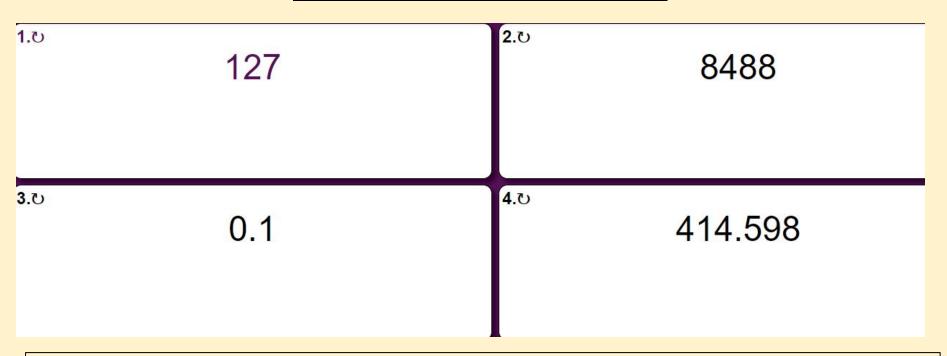
Whiteboards - Arithmetic Addition



Finished? Do response to marking



Arithmetic Answers



What do you need to practice? How confident were you with answering these questions?

05.01.21

LO: To multiply multiply 4 digits by 1 digit

Key words: multiply, formal method, multiplicand, multiplier





Please watch following video for support with this lesson (click link and go to video)



https://whiterosemaths.c om/homelearning/year-5/ week-1-number-multiplic ation-division/



Complete the calculation.

Hundreds	Tens	Ones
100 100		
100 100		000
100 100		000

	Н	T	0
	2	0	3
×			3



Complete the calculation.

Thousands	Hundreds	Tens	Ones
1000		0 0	000
1000		0 0	000
1000		10 10	000

	Th	Н	Т	0
	1	0	2	3
×				3



Annie earns £1,325 per week. How much would he earn in 4 weeks?

Thousands	Hundreds	Tens	Ones
1000	100 100 100	000	00000
1000	100 100 100	00	00000
1000	100 100 100	00	00000
1000	100 100 100	000	00000

	Th	Н	Т	0
	1	3	2	5
×				4

TASKs

Task 1 Complete the questions on this presentation

Task 2 complete the worksheet Tuesday 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 4-digits by 1-digit



Complete the sentences to describe the multiplication.

Th	н	т	0
	@		000
00	00	0	000
00	00	0	000

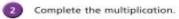
	- 1	
There are		ones altogether

There are tens altogether.

There are hundreds altogether.

There are thousands altogether.

2,213 × 3 =



Use the place value chart to help you.

Th	Н	Т	0
-			

	2	1	0	2
×				4





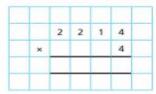


-			
(3)	A football stad	ium holds 2,214	people.

The stadium is full for 4 matches in a row.

What was the attendance for all 4 matches?

Th	н	Т	0
00	00	0	00
00	00	0	00
	00		00
	00	0	00



The attendance for all 4 matches was

-						
4	Nijah	is	calculating	2,430	×	

She makes this place value chart to help her.

Th	Н	Т	0
	00		00
			0
1		00	00
			0
	00	00	00
			0

She gets the answer 729

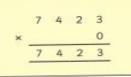
What mistake has Nijah made?

What is the correct answer?



- Complete the multiplications.
 - a) 3,126 × 3 =

- c) 4,132 × 6 =
- b) 4,812 × 2 =
- d) $1,502 \times 5 =$
- Ron is working out 7,423 x 0



The answer is 7,423



Do you agree with Ron? _____

Did Ron have to use a column method? Is there a quicker way?

Work out these multiplications.

What do you notice about the answers?



 $248 \times 10 = 2.480$



Without using the formal method, how could you use this fact to calculate 248 x 9?

Check your answer using the formal method.

Which method was easier?



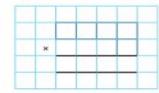
Use each digit card once to write a multiplication.











How many different products can you find?

What is the closest product to 8,000?



Multiply 4-digits by 1-digit



Complete the sentences to describe the multiplication.

Th	н	T	0
	00	0	000
00	00		000
00	00	0	000

There are ones altogether.

tens altogether. There are

There are hundreds altogether.

There are thousands altogether.

Complete the multiplication.

Use the place value chart to help you.

Th	н	Т	0
00	0		00
00	0		00
00	0		00
00	0		00

	2	1	0	2
×				4
	8	4	0	8





A football stadium holds 2,214 people.

The stadium is full for 4 matches in a row.

What was the attendance for all 4 matches?

Th	Н	Т	0
00	00	0	00
00	00	0	00
00	00	0	00
00	00	0	00



The attendance for all 4 matches was 8,856



Nijah is calculating 2,430 x 3

She makes this place value chart to help her.

Th	н	Т	0
	00	00	00
			•
	00	00	00
		00	0
	00		00
			0

She gets the answer 729

What mistake has Nijah made?

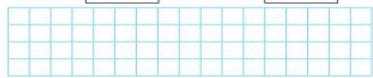
She happy but her counters in the correct

columno

What is the correct answer?

7,290

Complete the multiplications.





Ron is working out 7,423 x 0

The answer is 7,423



Do you agree with Ron? No

Did Ron have to use a column method? Is there a quicker way?

Work out these multiplications.

8

$$248 \times 10 = 2,480$$

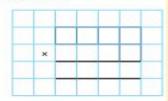
Without using the formal method, how could you use this fact to calculate 248×9 ?

Check your answer using the formal method.

Which method was easier?

Use each digit card once to write a multiplication.

1	2	3	4	5

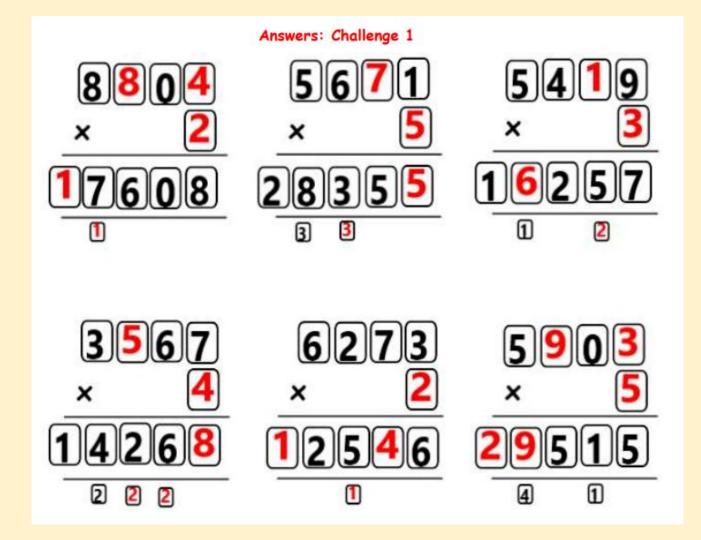


How many different products can you find?

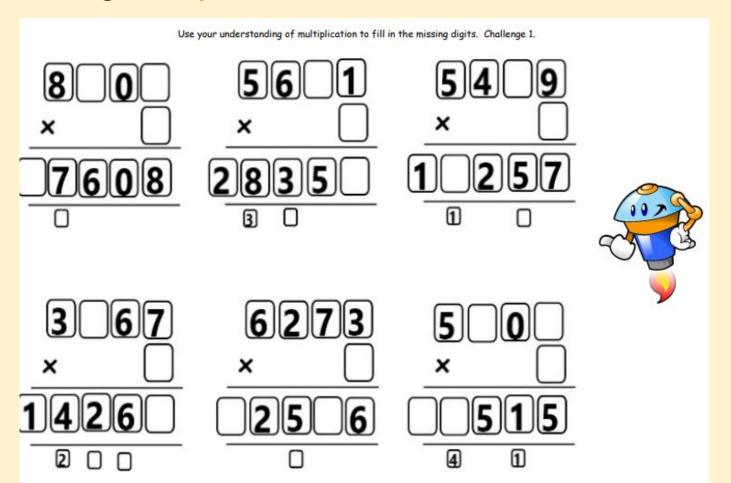
Various answers.

What is the closest product to 8,000?

8,270



Thinking Deeper



Online games to play to support lesson

https://www.splashlearn.com/math-skills/fourth-grade/multiplication/4-digit-x-1-digit-numbers-up-to-4-000