

Good morning Year 3!

Have a look at the slides to remind yourself of how we multiply one by two digit numbers. You can also continue to watch the videos on the white rose website. Once you have looked at the slides, scroll down to find your work for the week.

Tuesday 12th May 2020

LO: To multiply two digits by one digit

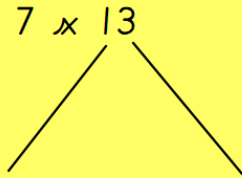
$$7 \times 13$$

What is our first step when working out this equation?

The first step is to....

Tuesday 12th May 2020

LO: To multiply two digits by one digit

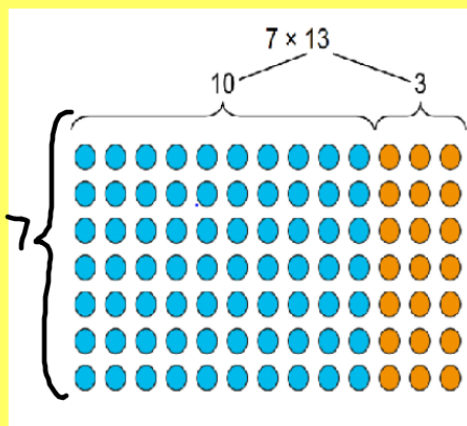
$$7 \times 13$$


First, we need to partition our two digit number into its two parts.

Tuesday 12th May 2020

LO: To multiply two digits by one digit

$$7 \times 13$$



Now, we can work out

$$7 \times 10 =$$

and

$$7 \times 3 =$$

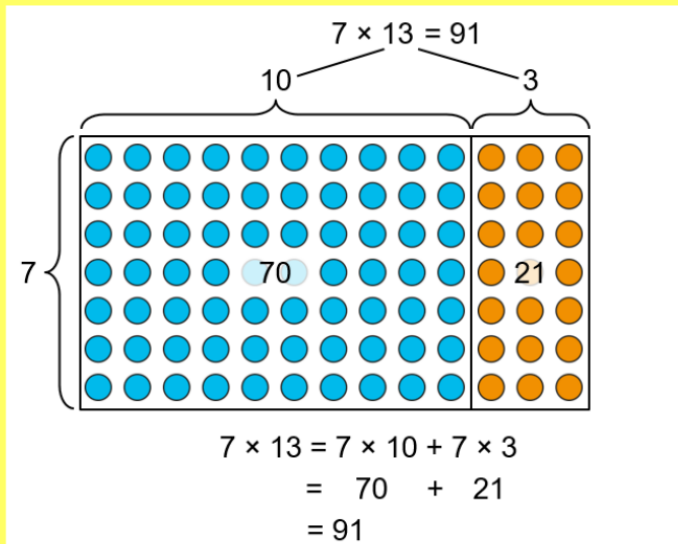
and add our answers back together.

(Much easier!)

Tuesday 12th May 2020

LO: To multiply two digits by one digit

$$7 \times 13$$

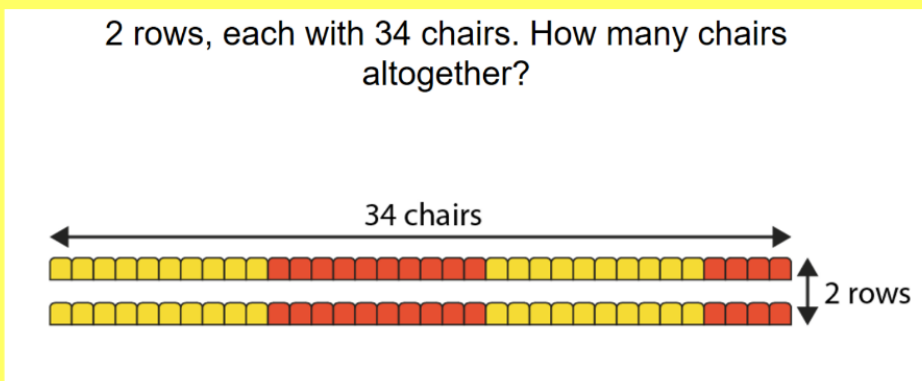


Did you get the right answer?

Tuesday 12th May 2020

LO: To multiply two digits by one digit

Let's look at another example:

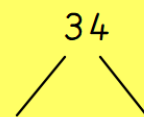


First, partition your two digit number

Then you can multiply each number by 2.

How many chairs are there in total?

There are _____ chairs.



Activity one:

1. $13 \times 9 =$

x	10	3
9	90	27

2. $71 \times 5 =$

x	70	1
5		

3. $56 \times 5 =$

x	50	6
5		

4. $23 \times 3 =$

x	20	3
3		

5. $89 \times 9 =$

x	80	9
9		

6. $63 \times 7 =$

×	60	3
7		

7. $75 \times 9 =$

×	70	5
9		

8. $13 \times 5 =$

×	10	3
5		

9. $28 \times 9 =$

×	20	8
9		

10. $53 \times 8 =$

×	50	3
8		

Activity two:

How many questions can you answer in 10 minutes? Set a timer and see how many you can correctly answer! (scroll down for answers)

1. $39 \times 4 =$

2. $11 \times 4 =$

3. $42 \times 3 =$

4. $29 \times 6 =$

5. $92 \times 7 =$

6. $22 \times 4 =$

7. $47 \times 9 =$

8. $10 \times 5 =$

9. $56 \times 9 =$

10. $93 \times 9 =$

11. $53 \times 9 =$

12. $72 \times 4 =$

13. $81 \times 7 =$

14. $11 \times 9 =$

15. $30 \times 3 =$

16. $94 \times 7 =$

17. $16 \times 6 =$

18. $79 \times 8 =$

19. $74 \times 3 =$

20. $24 \times 7 =$

21. $77 \times 5 =$

22. $50 \times 5 =$

23. $62 \times 6 =$

24. $28 \times 8 =$

25. $39 \times 4 =$

26. $63 \times 4 =$

27. $73 \times 6 =$

28. $85 \times 8 =$

29. $52 \times 6 =$

30. $27 \times 7 =$

31. $64 \times 4 =$

32. $85 \times 3 =$

33. $70 \times 4 =$

34. $96 \times 8 =$

35. $77 \times 8 =$

36. $19 \times 6 =$

37. $28 \times 3 =$

38. $57 \times 5 =$

39. $39 \times 6 =$

40. $44 \times 6 =$

Activity three and four:

For activity three, start on either column A or B, and the next day move onto the next column from wherever you are.

WRITTEN METHOD FOR MULTIPLICATION 1 46

TARGET To develop a written method to multiply TU by U.

Examples

$\begin{array}{r} 36 \\ \times 4 \\ \hline 24 \\ 120 \\ \hline 144 \end{array}$	6×4	30×4
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$\begin{array}{r} 36 \\ \times 4 \\ \hline 144 \\ \hline \end{array}$	$6 \times 4 = 24$	$20 \text{ is carried into tens (2)}$
	$4 \text{ is written in units (4)}$	$30 \times 4 = 120$
	$120 + 24 = 144$	Answer 144

A
Copy and complete.

1 $\begin{array}{r} 26 \\ \times 2 \\ \hline \square \square \\ \square \square \\ \hline \end{array}$ (6×2)
(20×2)

2 $\begin{array}{r} 59 \\ \times 5 \\ \hline \square \square \\ \square \square \\ \hline \end{array}$ (9×5)
(50×5)

3 $\begin{array}{r} 45 \\ \times 3 \\ \hline \square \square \\ \square \square \\ \hline \end{array}$

4 $\begin{array}{r} 24 \\ \times 4 \\ \hline \square \square \\ \square \square \\ \hline \end{array}$

Work out

5 68×2 7 57×3
6 36×5 8 35×4

B
Copy and complete.

1 $\begin{array}{r} 37 \\ \times 2 \\ \hline \end{array}$ 9 $\begin{array}{r} 25 \\ \times 5 \\ \hline \end{array}$

2 $\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$ 10 $\begin{array}{r} 97 \\ \times 4 \\ \hline \end{array}$

3 $\begin{array}{r} 83 \\ \times 5 \\ \hline \end{array}$ 11 $\begin{array}{r} 85 \\ \times 2 \\ \hline \end{array}$

4 $\begin{array}{r} 66 \\ \times 4 \\ \hline \end{array}$ 12 $\begin{array}{r} 69 \\ \times 3 \\ \hline \end{array}$

5 $\begin{array}{r} 59 \\ \times 2 \\ \hline \end{array}$ 13 $\begin{array}{r} 55 \\ \times 4 \\ \hline \end{array}$

6 $\begin{array}{r} 47 \\ \times 5 \\ \hline \end{array}$ 14 $\begin{array}{r} 93 \\ \times 2 \\ \hline \end{array}$

7 $\begin{array}{r} 38 \\ \times 4 \\ \hline \end{array}$ 15 $\begin{array}{r} 36 \\ \times 3 \\ \hline \end{array}$

8 $\begin{array}{r} 96 \\ \times 3 \\ \hline \end{array}$ 16 $\begin{array}{r} 64 \\ \times 5 \\ \hline \end{array}$

17 Double 76.

18 How many is 48 fours?

C
Work out

1 75×5 9 182×4
2 86×3 10 175×2
3 48×2 11 168×5
4 93×4 12 247×3
5 78×3 13 356×2
6 87×2 14 287×5
7 69×4 15 169×3
8 96×5 16 274×4

17 There are eight sausages in each packet. How many sausages are there in 34 packets?

18 The smallest snake was 42 cm long. The largest was six times longer. How long was the largest snake?

19 The 283 visitors to a museum each pay £5 to enter. How much is taken in ticket sales altogether?

20 One glass holds 165 ml of drink. How much will four identical glasses hold?