

Day 2 – 06/01

Tuesday, January 05, 2021 1:06 PM

06.01.21

TBQ: Can I multiply multi-digit numbers using the formal written method?

5 minute challenge

1. 54×100
2. $3 \times 5 \times 6$
3. 781 divided by 12
4. $367\ 513 + 78\ 231$
5. $9.81 - 0.4$
6. Order these numbers from smallest to biggest 1.11, 1.01, 111.01, 111, 1.010

Have a go at working this out .. 45×63

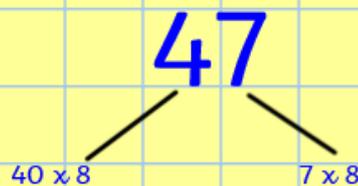
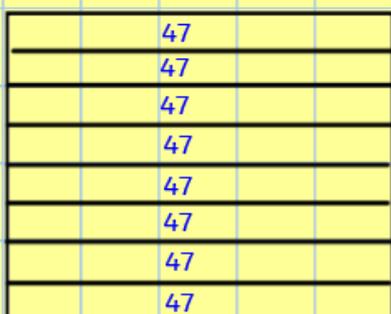
Why do I need to add a **place holder**? Can anybody explain this using their place value knowledge? 5 HP if you can explain using a pictorial representation!

Use video 3 on this link, if you need some help.

<https://whiterosemaths.com/homelearning/year-6/week-4/>

In the library, there are three large bookcases each with 8 shelves. If each shelf can take 47 books, how many books are there in the library?

Which method do you prefer and why?



$$\begin{array}{r} 47 \\ \times 8 \\ \hline \end{array}$$

Chilli Challenge! Choose a challenge and have a go. Please check your working out and remember to move up or down if it is too easy or too hard.

Mild:

- 1) 182×4
- 2) 321×23
- 3) 645×62
- 4) 2154×18

Hot:

1. Ava buys 581 bunches of flowers. Each bunch costs £27. How much does she pay altogether?
2. In Chestnut class, the children do a sponsored hop for Sports Relief. 17 children hop 54m and 12 children hop 62m. How far in metres did they hop altogether?
3. A bedroom floor measures 341m by 42m. What is the area of the bedroom?
4. In the library, there are three large bookcases each with 8 shelves. If each shelf can take 47 books, how many books are there in the library?
5. Mia went to gift shop and bought 14 presents each costing £684. She paid 9576. Was she charged the correct amount?

Flamin' Hot:

6. 215 people buy tickets for the school play. They pay £1.95 each for the tickets. How much money did the school raise?
7. The Olympic cycling team is training hard. They each cycle 126km every day for 15 days. There are 8 people on the team. What is the total distance they cycled in the 15 days?
8. The recipe for 1 banana and raspberry smoothie needs 65g of raspberries. Sarah's mum is making smoothies for the whole class of 28 children. What is the weight of raspberries she will need in gram? What is the weight in kilograms?
9. Tom pours some drinks for his friends. He opens a carton of apple juice and pours six 125ml glasses and three 250ml glasses. The carton is now empty. How much did the carton hold in litres?
10. Ben and Emily are decorating the hall ready for Christmas dinner. Each table needs a piece of tinsel 1.85m long. There are 6 tables. How long would the tinsel be if they put all the pieces together?

Reasoning Rex – Rex thinks that 24×40 is the same as all of the other equations. Is he correct? Explain why.

 Is it the same? $240 \times 2 \times 2 \times 800 + 160$ Is 24×40 the same as... $20 \times 40 \times 4$

If you finish, you can also access accelerated maths and TTRocks.