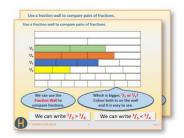
Week 13, Day 2

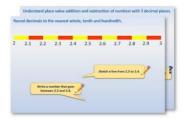
Multiplication

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



OR start by carefully reading through the **Learning Reminders**.



Tackle the questions on the Practice Sheet.
 There might be a choice of either Mild (easier) or Hot (harder)!
 Check the answers.

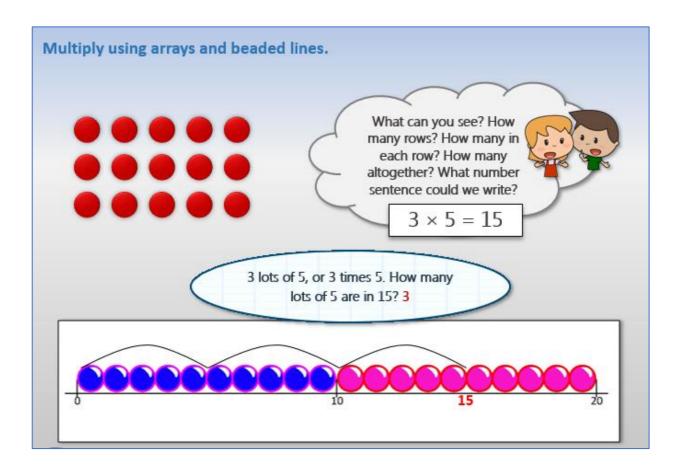


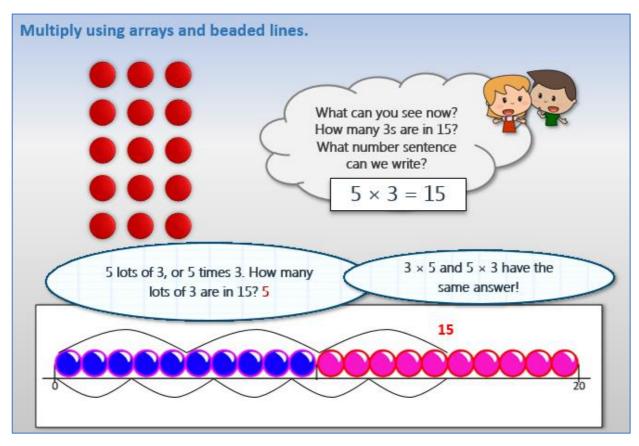
3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?



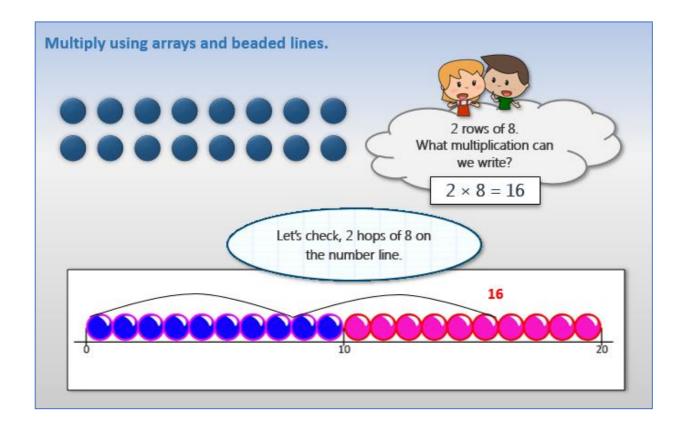
4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**...

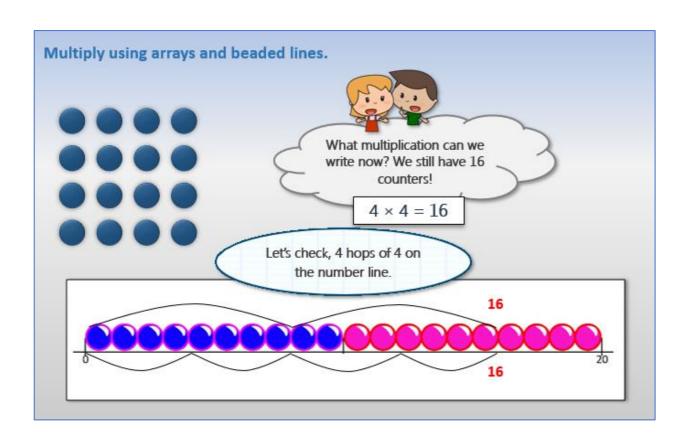
Learning Reminders



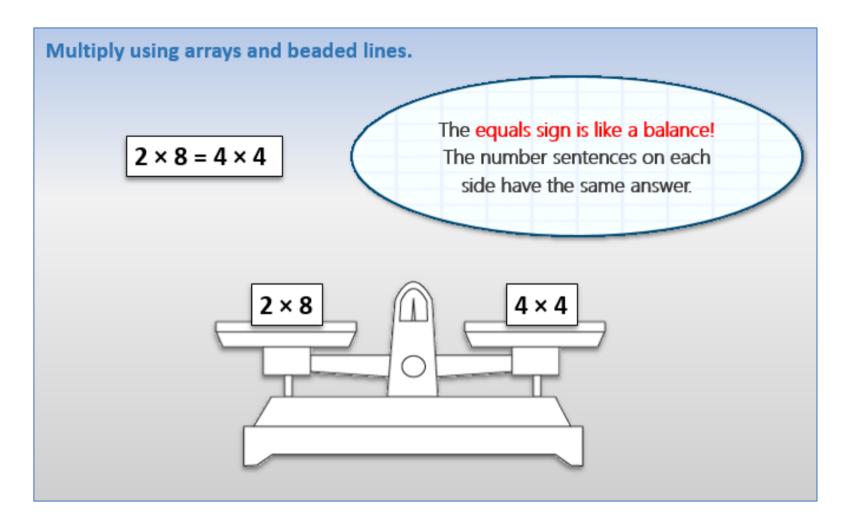


Learning Reminders





Learning Reminders



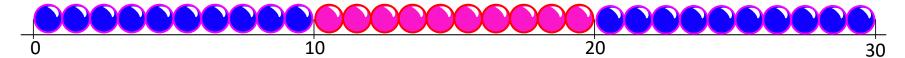
Practice Sheet Mild

Solving multiplications

1. Complete the array to represent, then solve: 4×3



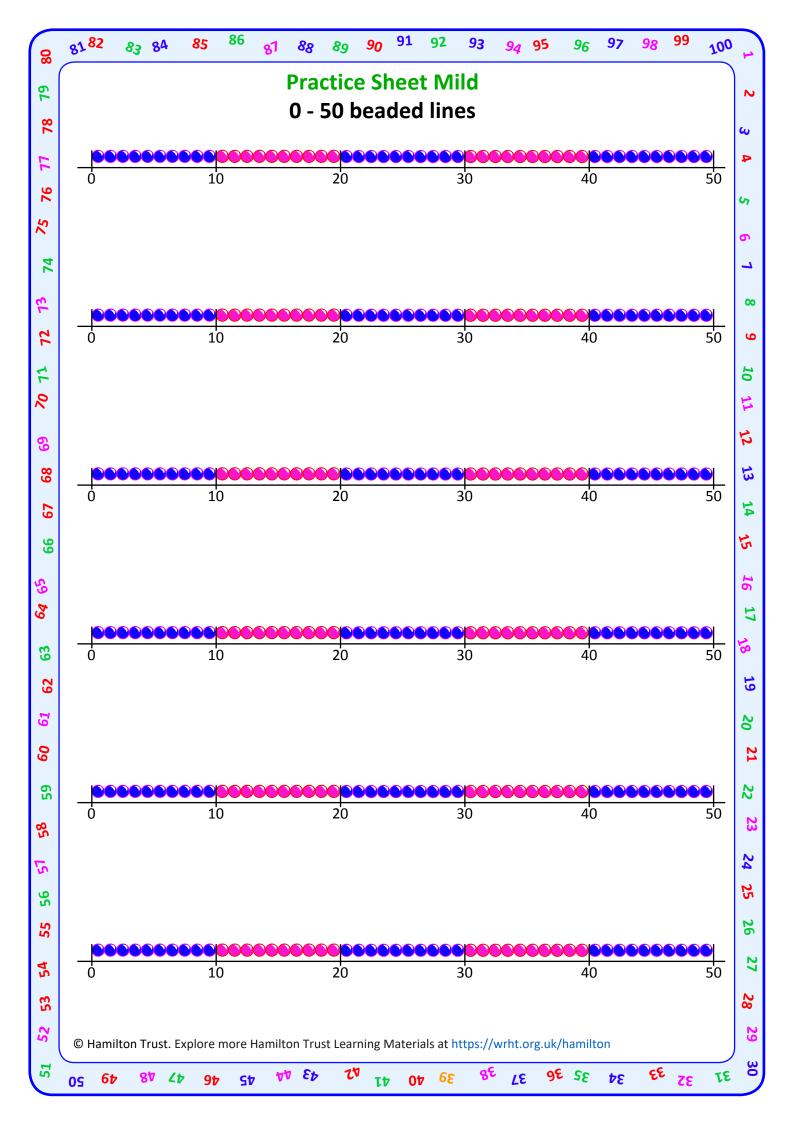
2. Draw jumps on a line to show how to solve: 8×2



Choose a strategy to to solve the following:

$$3. \quad 4 \times 10$$

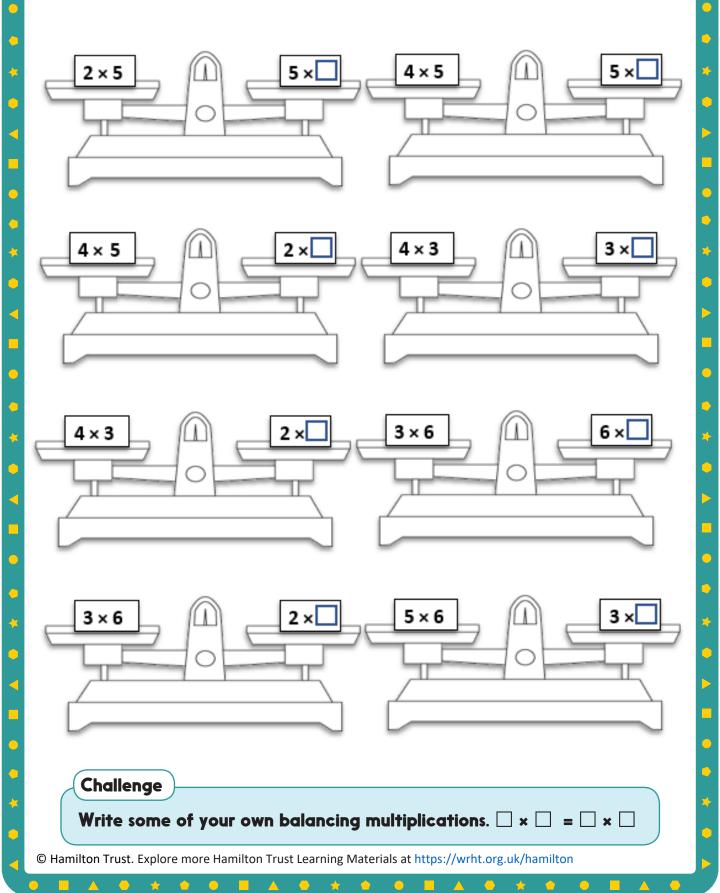
10.
$$7 \times 3$$



Practice Sheet Hot

Multiplication balances

Complete the multiplications to make the scales balance.

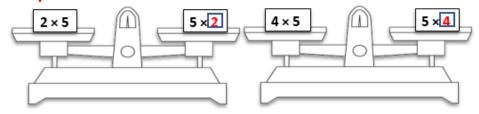


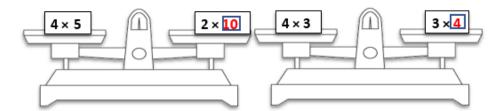
Practice Sheets Answers

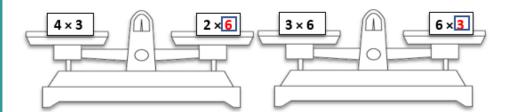
Solving multiplications (mild)

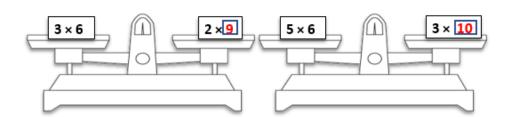
- 1. $4 \times 3 = 12$ (have children drawn a 3 x 4 or a 4 x 3 array?)
- 2. $8 \times 2 = 16$
- 3. $4 \times 10 = 40$
- 4. $6 \times 3 = 18$
- 5. $8 \times 5 = 40$
- 6. $4 \times 7 = 28$
- 7. $6 \times 4 = 24$
- 8. $9 \times 3 = 27$
- 9. $2 \times 12 = 24$
- 10. $7 \times 3 = 21$

Multiplication balances (hot)









Challenge

Write some of your own balancing multiplications. $\square \times \square = \square \times \square$

E.g. $5 \times 10 = 10 \times 5$, $4 \times 4 = 8 \times 2$, $8 \times 5 = 4 \times 10$

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A Bit Stuck?

Row-row-row your bakes

Work in pairs

Things you will need:

- counters
- pencil and paper



What to do:

 On Monday, Mrs Multiple, the baker, made 12 cup cakes.



Rather than straight lines like this, she likes to arrange them in rectangles or **arrays**. How could she do it? Use counters to help you explore the arrays you can make with 12 cakes.

Draw or write down what you discover.

- On Tuesday, Mrs Multiple made 15 cakes, how could she arrange them in an array? It's a larger number of cakes, so do you think there will be more or fewer ways to arrange them than with Monday's 12 cakes?
- On Wednesday, Mrs Multiple baked
 19 cakes!
 Can she place these in one or more arrays?

0	
0	
0	I wonder if the cakes can
0	go in rows of three?
0	
0	
0	
0	
0	
0	
0	
0	
0	

S-t-r-e-t-c-h:

Find which number of cakes from 10 to 20 can be arranged in the most ways. Which do you think it might be?

Learning outcomes:

- I understand that an array is a rectangular arrangement of objects with the same number in each of its rows.
- I can begin to use and remember multiplication facts.

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m2

X

Cm³

1/2

5/6

cm

÷

