Canonbury Home Learning

Year 2 Maths

Steppingstone activity

Lesson 2

LO: To count in multiples of 2, 5, and 10

Success Criteria:

1.	Practice counting in 2s, 5s, and 10s, using the times tables provided
2.	Draw the amount of equal groups (2 equal groups = 2 circles)
3.	Draw the amount said into each group (5 in each group = 5 dots in each circle)
4.	Complete the addition and multiplication number sentences based on your equal groups

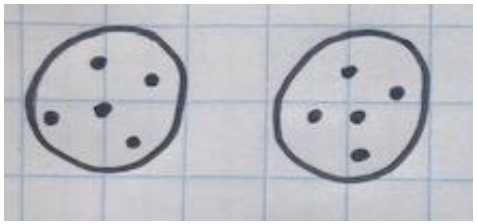
Model:

$1 \times 2 = 2$
$2 \times 2 = 4$
$3 \times 2 = 6$
$4 \times 2 = 8$
$5 \times 2 = 10$
$6 \times 2 = 12$
$7 \times 2 = 14$
$8 \times 2 = 16$
$9 \times 2 = 18$
$10 \times 2 = 20$
$11 \times 2 = 22$
$12 \times 2 = 24$

$1 \times 5 = 5$
$2 \times 5 = 10$
$3 \times 5 = 15$
$4 \times 5 = 20$
$5 \times 5 = 25$
$6 \times 5 = 30$
$7 \times 5 = 35$
$8 \times 5 = 40$
$9 \times 5 = 45$
$10 \times 5 = 50$
$11 \times 5 = 55$
$12 \times 5 = 60$

$1 \times 10 = 10$
$2 \times 10 = 20$
$3 \times 10 = 30$
$4 \times 10 = 40$
$5 \times 10 = 50$
$6 \times 10 = 60$
$7 \times 10 = 70$
$8 \times 10 = 80$
$9 \times 10 = 90$
$10 \times 10 = 100$
$11 \times 10 = 110$
$12 \times 10 = 120$

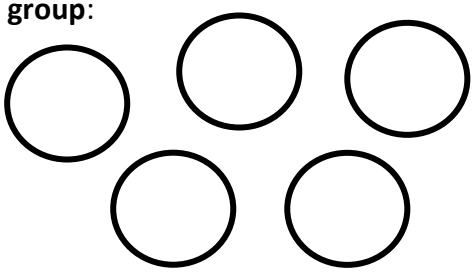
1. Make **2 equal groups** with **5 in each group**:



5 + 5 = _____

_____ x 2 = _____

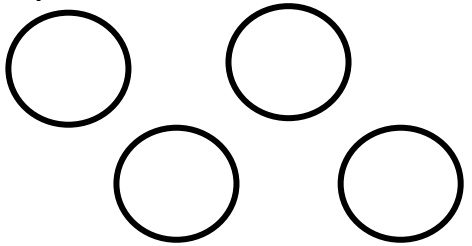
2. Make **5 equal groups** with **2 in each group**:



2 + 2 + 2 + 2 + 2 = _____

_____ x 5 = _____

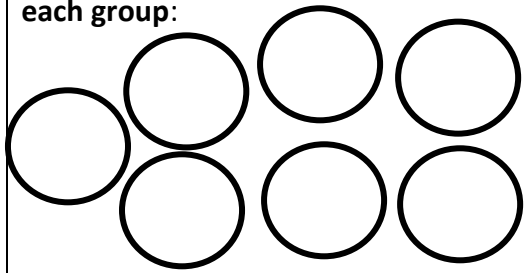
3. Make **4 equal groups** with **5 in each group**:



5 + 5 + 5 + 5 = _____

_____ x 5 = _____

4. Make **2 equal groups** with **7 in each group**:



2 + 2 + 2 + 2 + 2 + 2 + 2 = _____

_____ x 2 = _____

5. Make **6 equal groups** with **5 in each group**:

5 + 5 + 5 + 5 + 5 + 5 = _____

_____ x 5 = _____

6. Make **3 equal groups** with **10 in each group**:

10 + 10 + 10 = _____

_____ x 10 = _____

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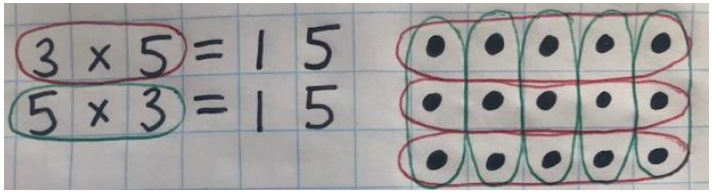
Lesson 2

LO: To know that the multiplication of two numbers can be done in any order (commutative)



Task:

You are going to be using **arrays** to demonstrate the **commutativity** of multiplication

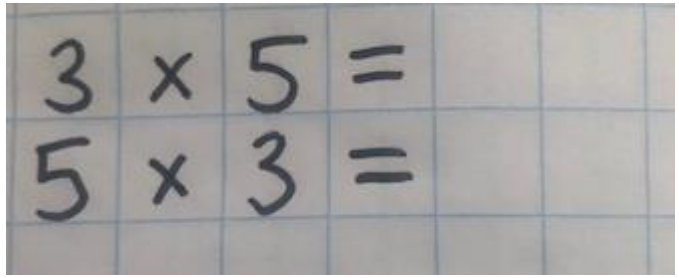
Commutativity means that the **multiplication** of two numbers **can be done in any order.**

Success Criteria:

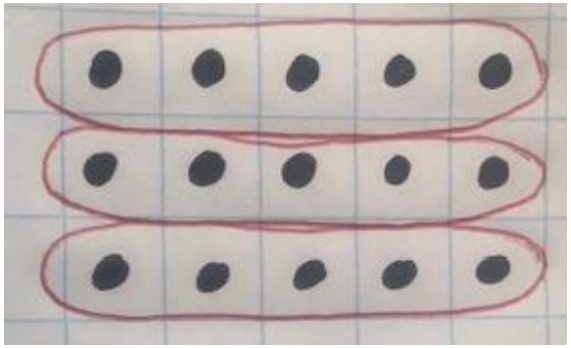
1. Write the multiplications, leaving the answer blank
2. Represent the first multiplication as an array – circle it in one colour
3. In the same array, circle the second multiplication in a different colour
4. Write the answers to both multiplications – use the array to check you are correct

Model:

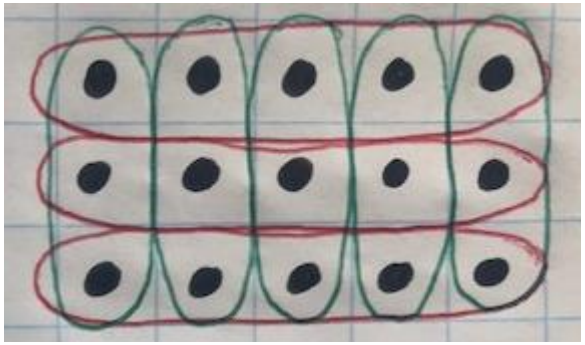
1.



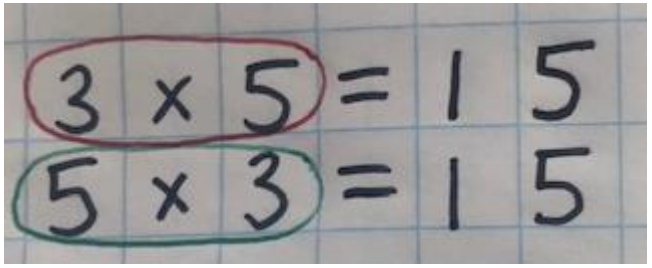
2.



3.



4.



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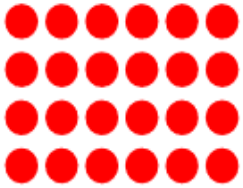
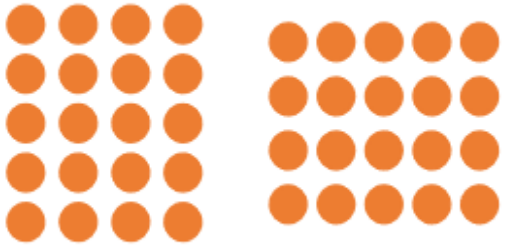
Year 2 Maths

Main activity

Complete at least 2 columns, more if you can!

Task 1	Task 2	Task 3	Task 4
Practice **Can you represent these multiplications as arrays?** **2 x 5 =** **5 x 2 =** **8 x 2 =** **2 x 8 =** **3 x 10 =** **10 x 3 =** **7 x 5 =** **5 x 7 =**	**Practice** **Can you represent these multiplications as arrays?** **5 x 10 =** **10 x 5 =** **9 x 2 =** **2 x 9 =** **8 x 5 =** **5 x 8 =** **7 x 3 =** **3 x 7 =**	**Reasoning** **Explain your answers.** 6a. Sam is making an array. He says,   My array shows 6 lots of 3 and 3 lots of 6. Is he correct? Explain your answer. 6b. Milo is making an array. He says,   My array shows 4 lots of 5 and 5 lots of 4. Is he correct? Explain your answer.	**Problem solving** 4a. Charlie has 20 counters and has used them to make the arrays below.  Draw 2 more arrays to match Charlie's counters. 4b. Maisie has 12 counters and has used them to make the arrays below.  Draw 2 more arrays to match Maisie's counters.