

Maths

Teaching for Mastery at Floreat

Why do we follow a teaching for mastery curriculum?

In order to understand maths we need to; develop children's cognitive ability to create connections between language, pictures, concrete experiences and symbols.

Haylock and Cockburn, 2013

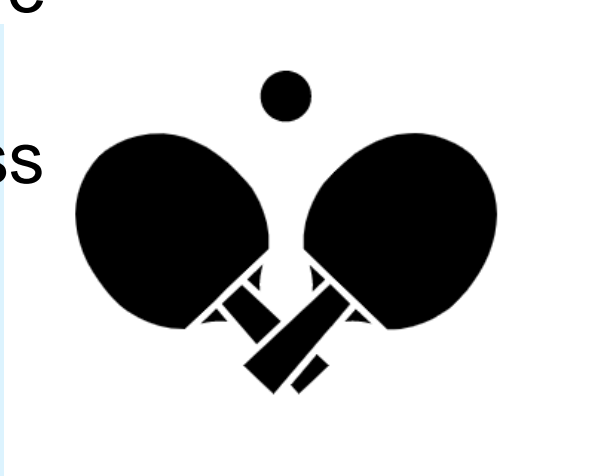
Lesson structure



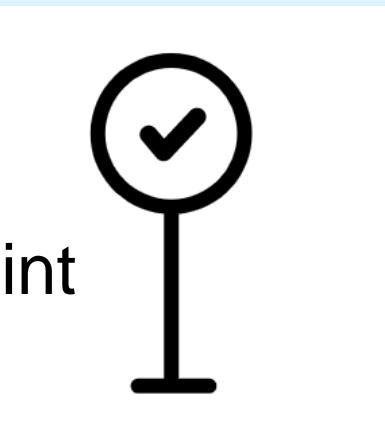
Retrieval



Explore
&
discuss

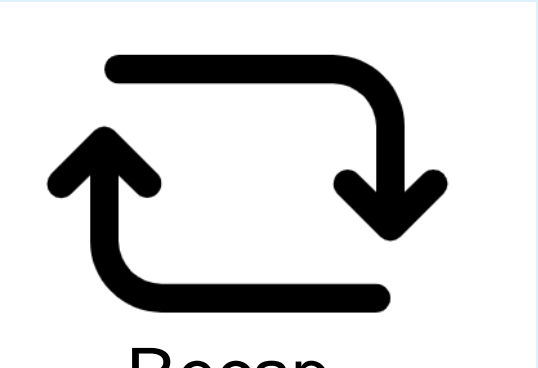
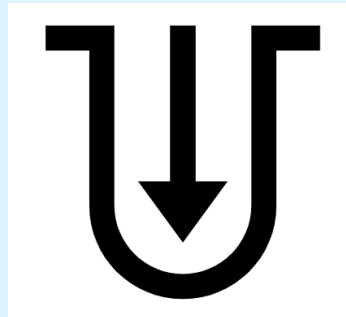


Independent Practice



Checkpoint

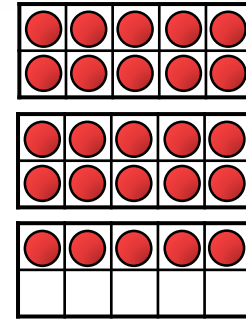
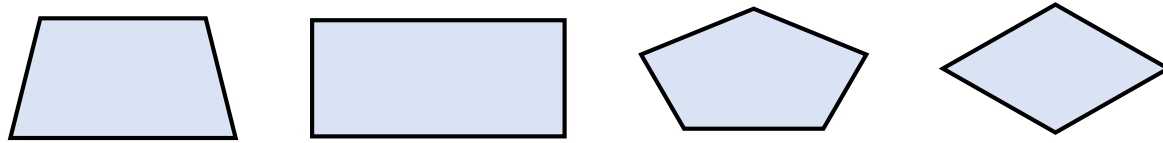
Deeper
challenge



Recap



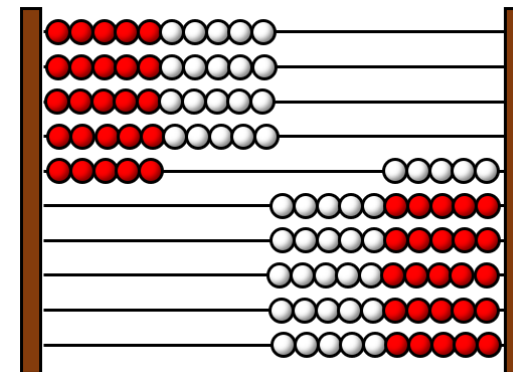
1) Which shape is the odd one out?



2) How many sides does a hexagon have?

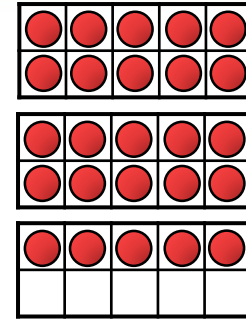
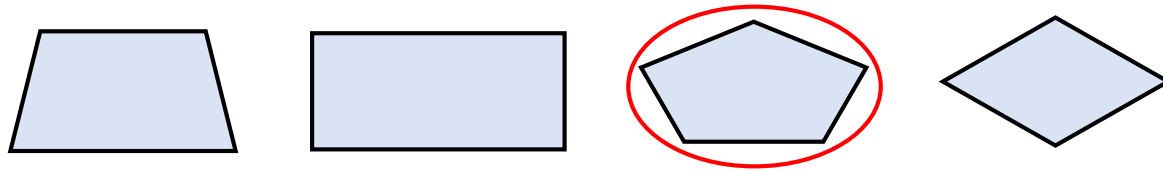
3) Use $<$, $>$ or $=$ to compare.

$$28 + 2 \bigcirc 18 + 12$$



4) What number is shown?

1) Which shape is the odd one out?

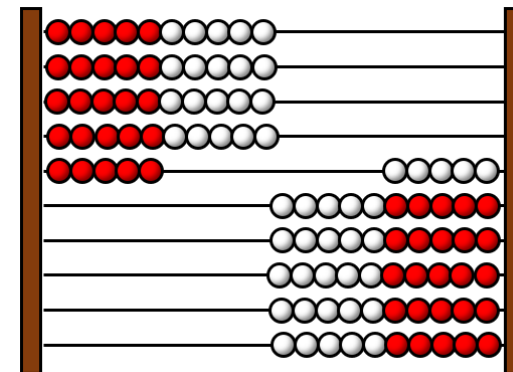


2) How many sides does a hexagon have?

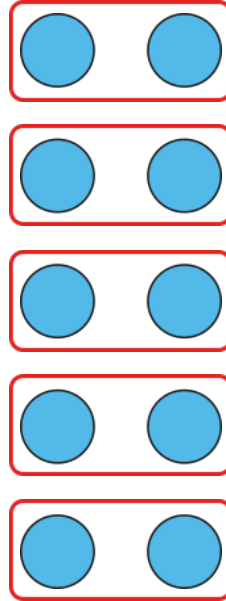
6

3) Use $<$, $>$ or $=$ to compare.

$$28 + 2 = 18 + 12$$



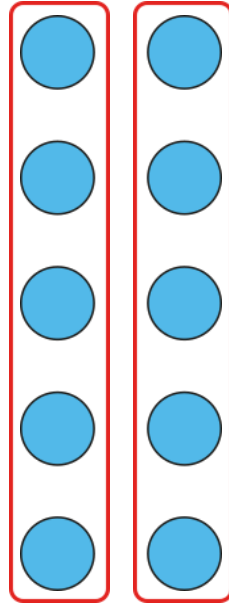
4) What number is shown? 45



$$5 \times 2 = 10$$

5 groups of 2

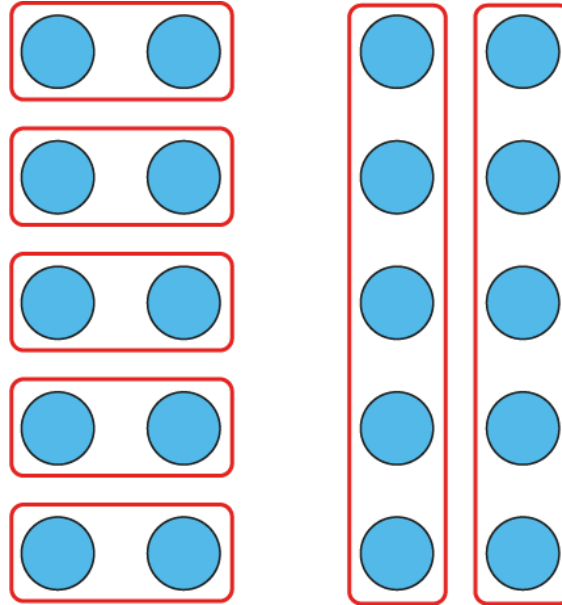
2, five times



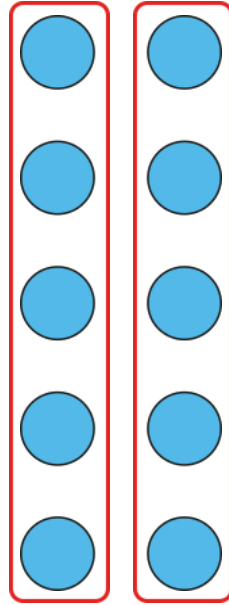
$$5 \times 2 = 10$$

2 groups of 5

5, two times



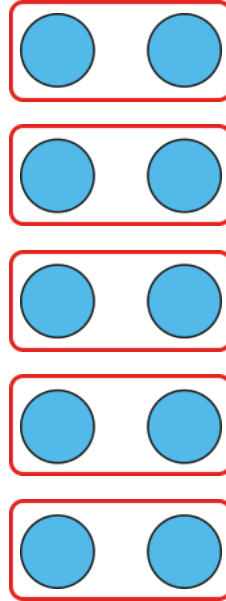
$$5 \times 2 = 10$$



$$2 \times 5 = 10$$

2 groups of 5

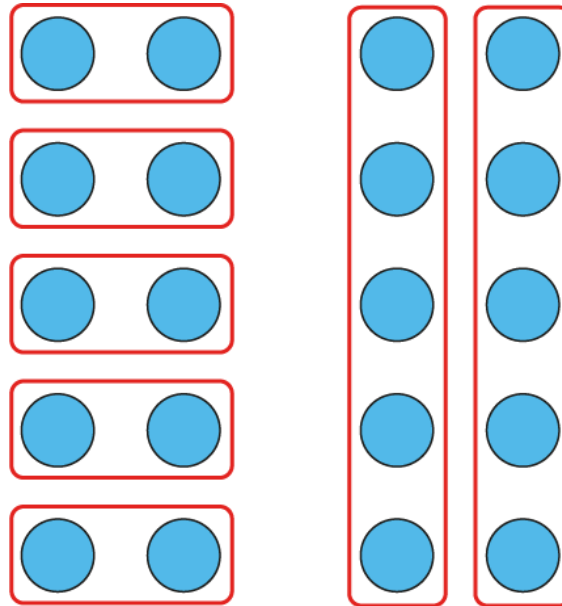
5, two times



$$2 \times 5 = 10$$

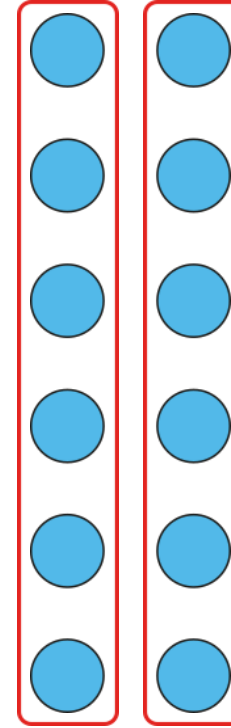
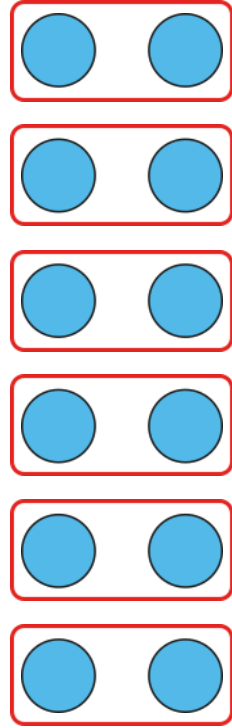
5 groups of 2

2, five times



$$2 \times 5 = 10$$

$$5 \times 2 = 10$$



6 groups of 2

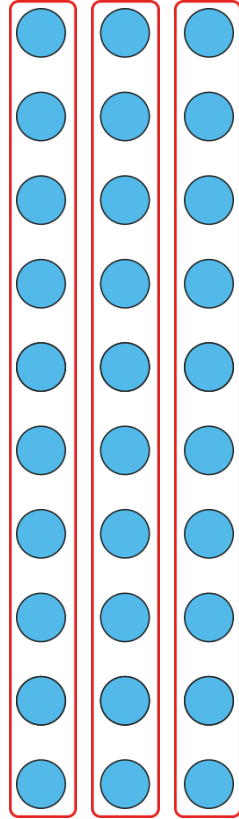
$$6 \times 2 = 12$$

6, two times

2, six times

$$2 \times 6 = 12$$

2 groups of 6

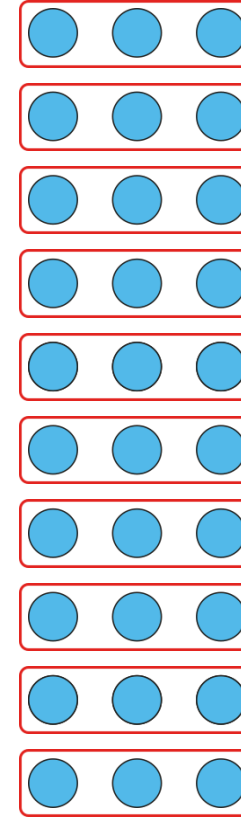


3 groups of 10

$$3 \times 10 = 30$$

10, three times

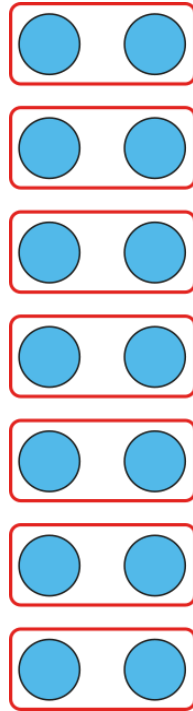
$$10 \times 3 = 30$$



3, ten times

10 groups of 3

$$7 \times 2 = 14$$



7 groups of 2



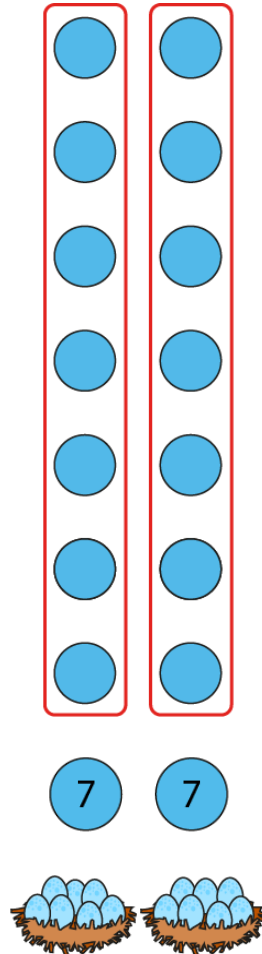
2, seven times



$$2 \times 7 = 14$$

2 groups of 7

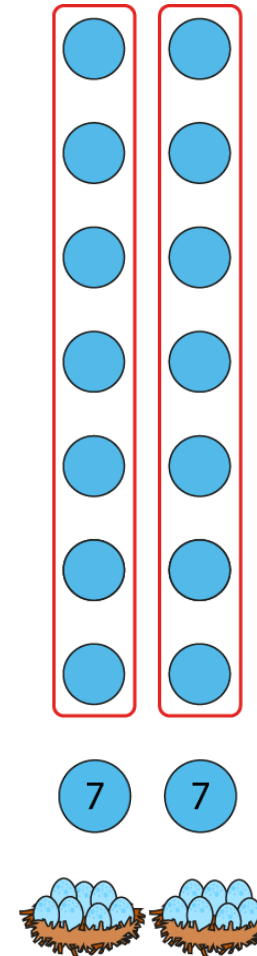
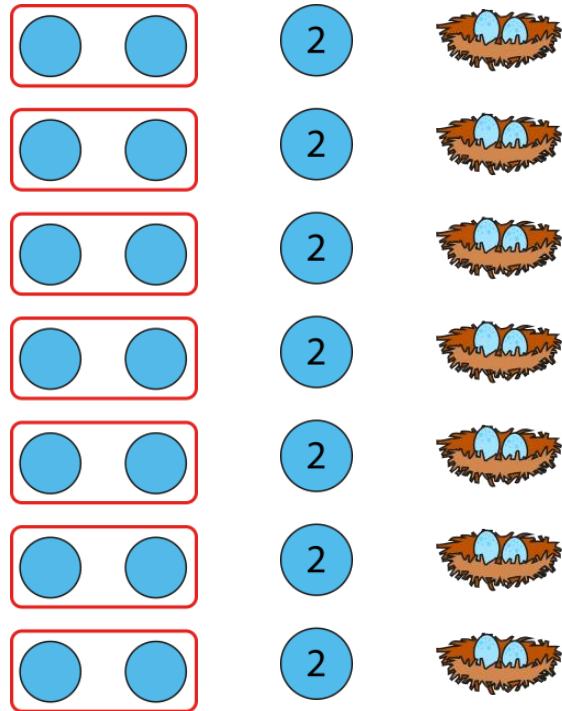
7, two times



2.5 Commutativity, doubling and halving

$$7 \times 2 = 14$$

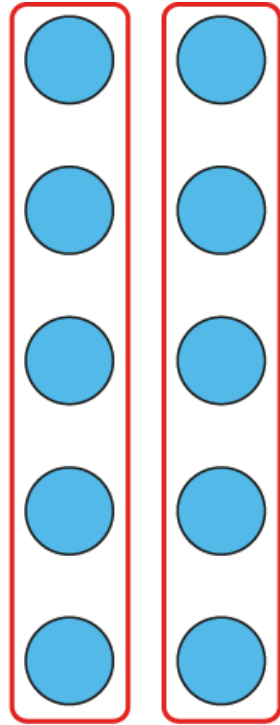
$$2 \times 7 = 14$$



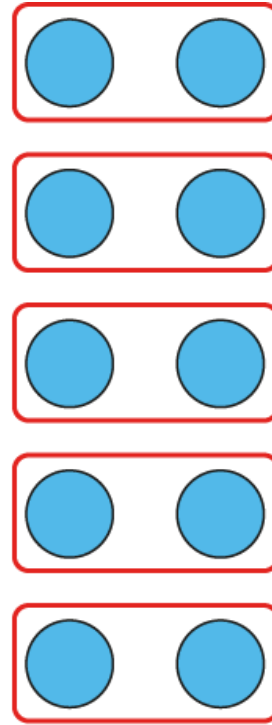
2.5 Commutativity, doubling and halving

$$2 \times 5 = 10$$

$$5 \times 2 = 10$$



5p 5p



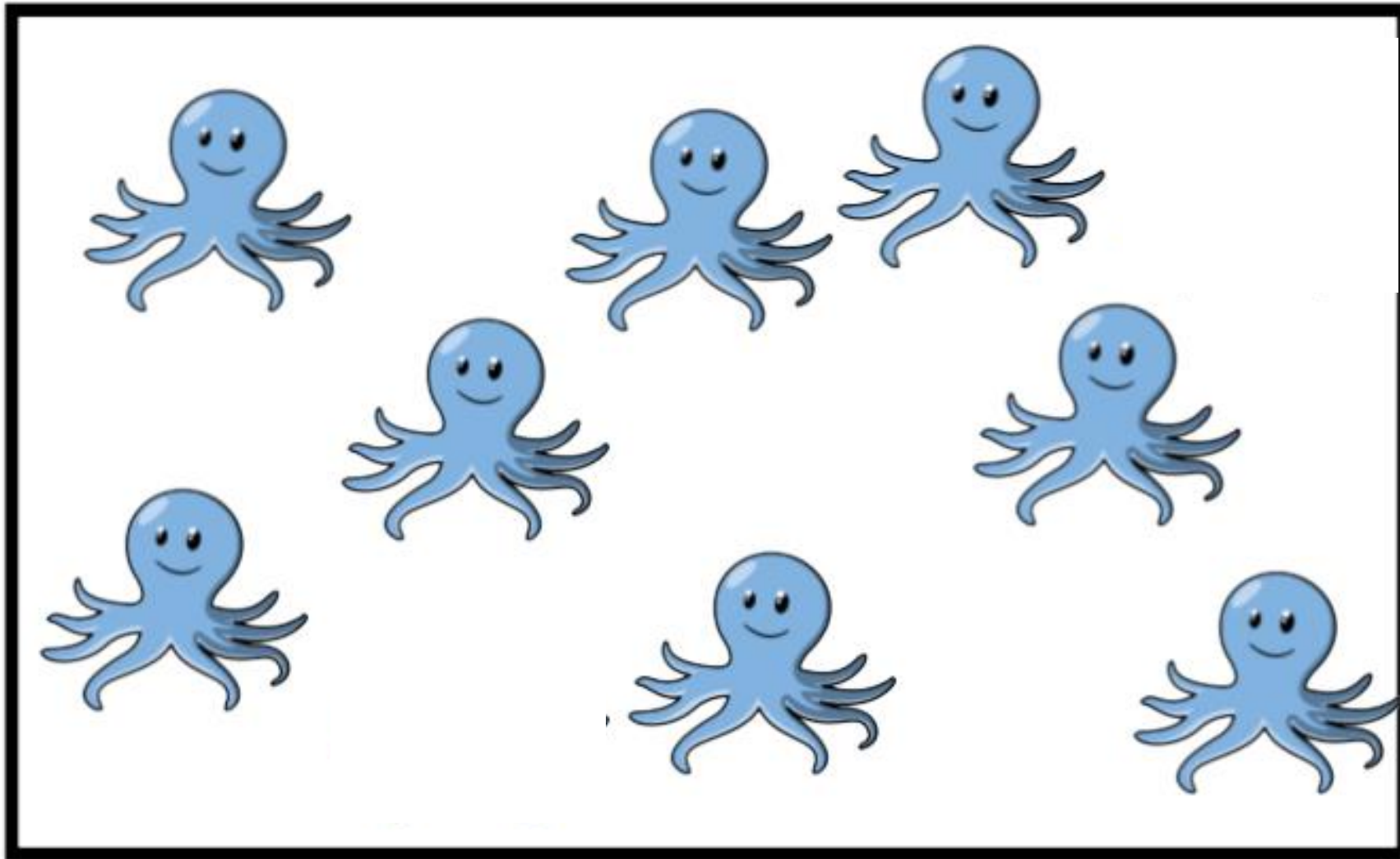
2p

2p

2p

2p

2p



Hinge:

a) 4×2 2×4

b) 8×2 2×8

c) $4 + 4$ $4 + 4$

d) *I don't know*

