

Year Group: Year 3

Strand: Number

Topic: Multiplication

Learning Objective: understand and apply the idea that multiplication is commutative and repeated addition.

Multiplication Strategies

Strategy 1:

Repeated addition: $3 \times 5 = 15$

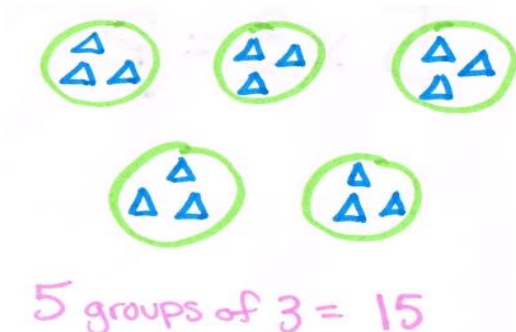
$$5 + 5 + 5 = 15$$

or

$$3 + 3 + 3 + 3 + 3 = 15$$

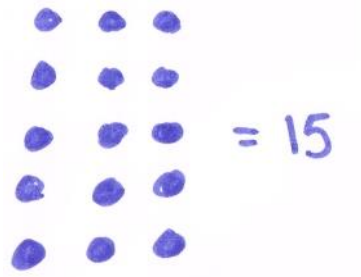
Strategy 2:

Groups



Strategy 3:

Array



Objective: multiplying 2 digit numbers by one digit number

Strategy 1:

$$32 \times 6 = ?$$

① Open Array.

$6 \times$	30	2
	180	12

$180 + 12 = 192$

$6 \times 2 = 12$
 $30 \times 6 =$
 $3 \times 6 = 18$

② Repeated Addition

30 30 30 30 30 30 $+ 30$ <hr/> 180	}	2 2 2 2 2 2 2 2 2 2 $+ 12$ <hr/> 12	}	180 $+ 12$ <hr/> 192
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or

32 32 32 32 32 32 32 32 32 32 32 32 $+ 32$ <hr/> 192
