

Varied Fluency

Step 1: Fact Families Addition

National Curriculum Objectives:

Mathematics Year 1: (1C1) [Represent and use number bonds and related subtraction facts within 20](#)

Mathematics Year 1: (1C2a) [Add and subtract one-digit and two-digit numbers to 20, including zero](#)

Mathematics Year 1: (1C2b) [Read, write and interpret mathematical statements involving addition \(+\), subtraction \(-\) and equals \(=\) signs](#)

Differentiation:

Developing Questions to support using addition fact families up to a total of 10, using pictorials for every question. Children may need scissors and two copies of the question to allow the children to experiment with different ways to create the addition facts.

Expected Questions to support using addition fact families up to a total of 10, using pictorials and numbers.

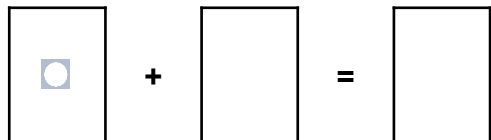
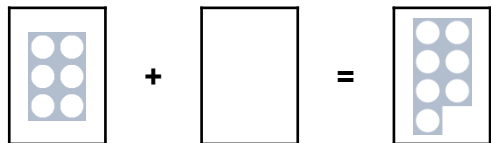
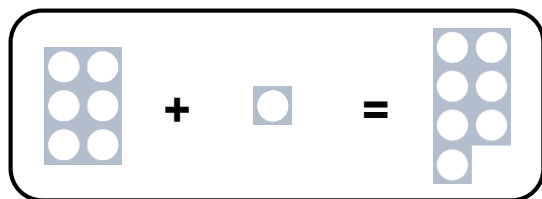
Greater Depth Questions to support using addition fact families up to a total of 10, using limited pictorials, numerals and words.

More [Year 1 and Year 2 Addition and Subtraction](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Fact Families Addition

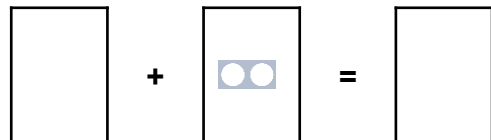
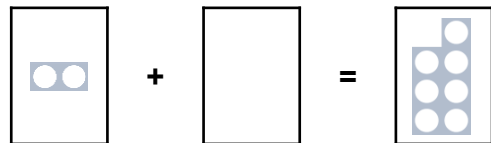
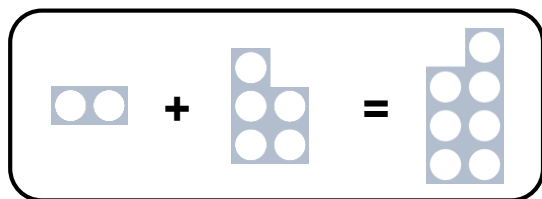
1a. Draw the missing Numicon.



1 VF

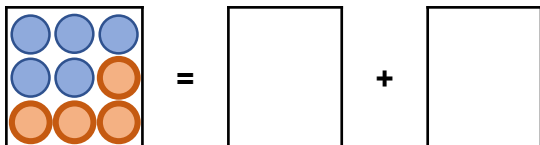
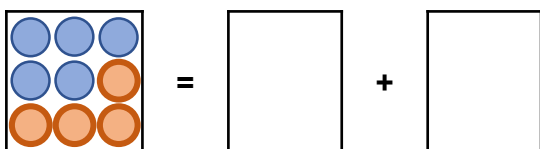
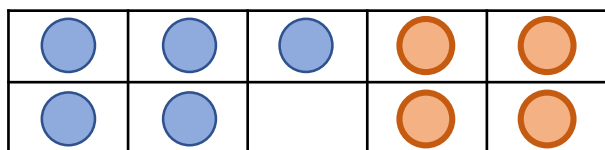
Fact Families Addition

1b. Draw the missing Numicon.



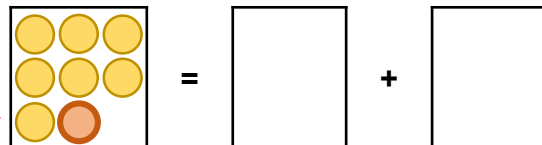
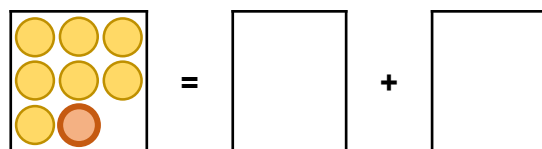
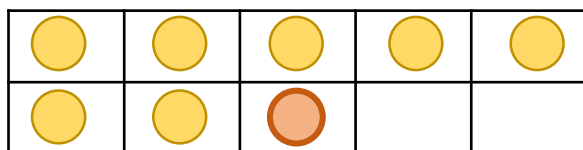
1 VF

2a. Complete the number sentences using the ten frame.



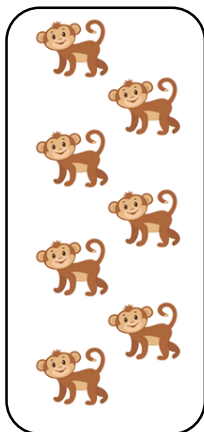
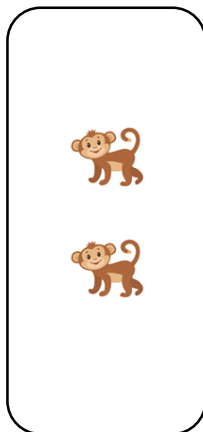
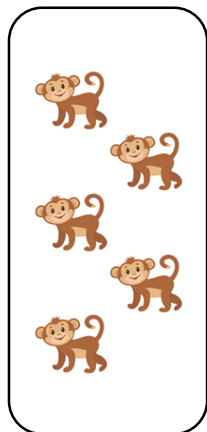
1 VF

2b. Complete the number sentences using the ten frame.



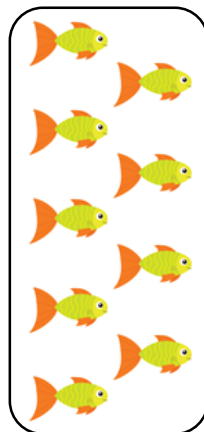
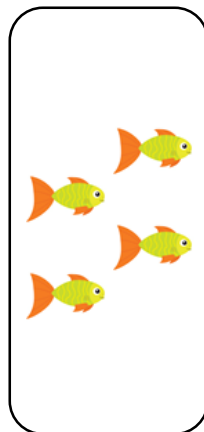
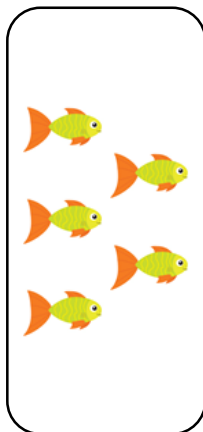
1 VF

3a. Use the pictures to show two addition number sentences.



1 VF

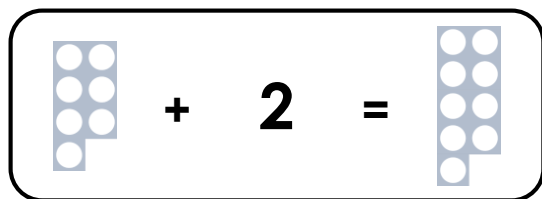
3b. Use the pictures to show two addition number sentences.



1 VF

Fact Families Addition

4a. Fill in the missing numbers.



$$\boxed{} + 2 = 9$$

$$2 + \boxed{} = \boxed{}$$

$$9 = \boxed{} + \boxed{}$$

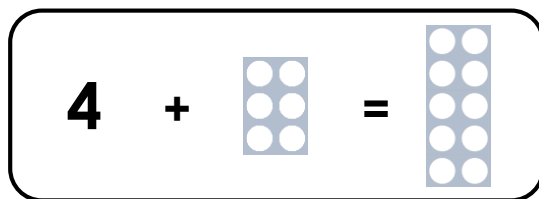
$$\boxed{} = 7 + \boxed{}$$



1 VF

Fact Families Addition

4b. Fill in the missing numbers.



$$4 + \boxed{} = 10$$

$$\boxed{} + 4 = \boxed{}$$

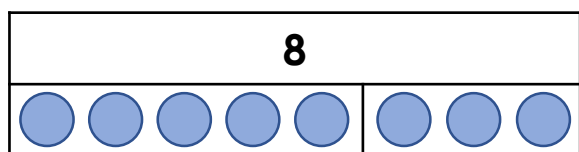
$$\boxed{} = \boxed{} + 4$$

$$10 = \boxed{} + \boxed{}$$



1 VF

5a. Complete the number sentences using the bar model.



$$\boxed{} + \boxed{} = 8$$

$$\boxed{} + \boxed{} = 8$$

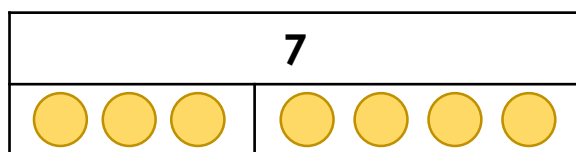
$$8 = \boxed{} + \boxed{}$$

$$8 = \boxed{} + \boxed{}$$



1 VF

5b. Complete the number sentences using the bar model.



$$\boxed{} + \boxed{} = 7$$

$$\boxed{} + \boxed{} = 7$$

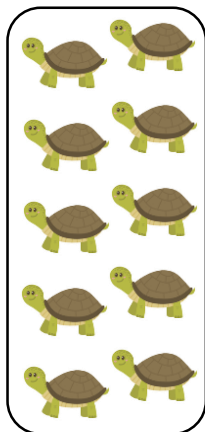
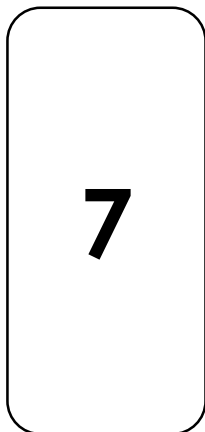
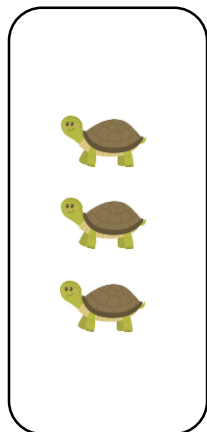
$$7 = \boxed{} + \boxed{}$$

$$7 = \boxed{} + \boxed{}$$



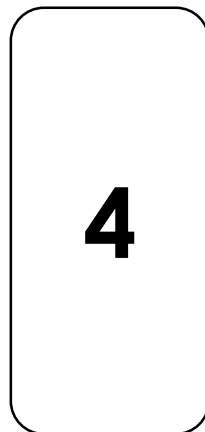
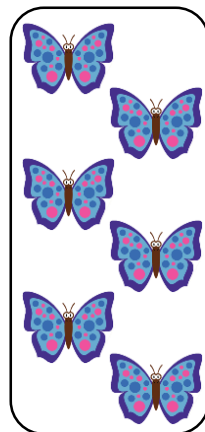
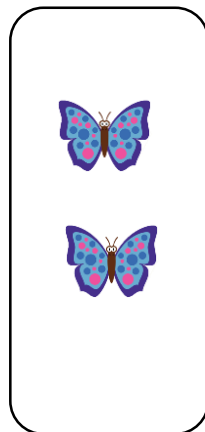
1 VF

6a. Use the pictures and numbers to write four addition number sentences.



1 VF

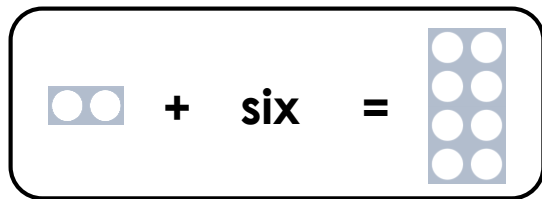
6b. Use the pictures and numbers to write four addition number sentences.



1 VF

Fact Families Addition

7a. Fill in the missing numbers.



$$\boxed{} + \text{six} = \boxed{}$$

$$\text{six} + \boxed{} = \boxed{}$$

$$\boxed{} = \boxed{} + \boxed{}$$

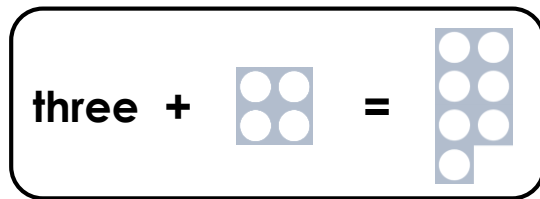
$$\boxed{} = \text{six} + \boxed{}$$



1 VF

Fact Families Addition

7b. Fill in the missing numbers.



$$\text{three} + \boxed{} = \boxed{}$$

$$\boxed{} + \text{three} = \boxed{}$$

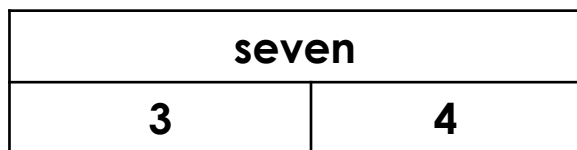
$$\boxed{} = \boxed{} + \text{three}$$

$$\boxed{} = \text{three} + \boxed{}$$



1 VF

8a. Complete the number sentences using the bar model.



$$\boxed{} + \boxed{} = 7$$

$$\boxed{} + \boxed{} = 7$$

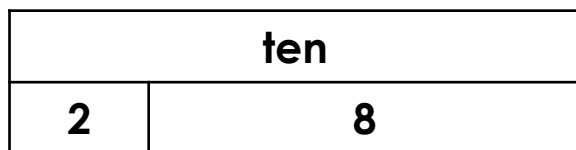
$$7 = \boxed{} + \boxed{}$$

$$\boxed{} = \boxed{} + \boxed{}$$



1 VF

8b. Complete the number sentences using the bar model.



$$\boxed{} + \boxed{} = 10$$

$$\boxed{} + \boxed{} = 10$$

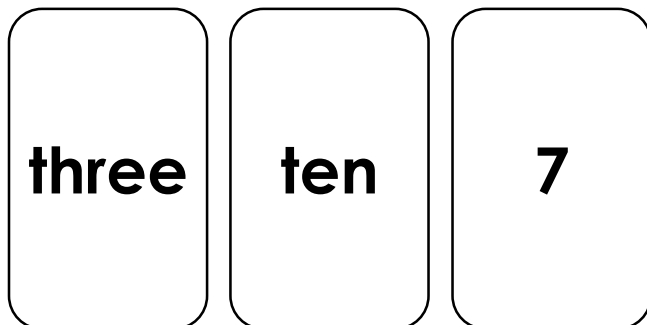
$$10 = \boxed{} + \boxed{}$$

$$\boxed{} = \boxed{} + \boxed{}$$



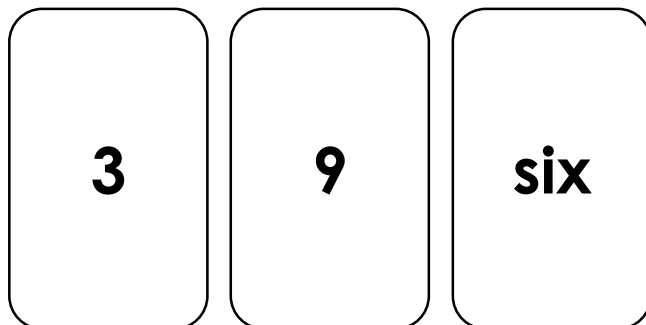
1 VF

9a. Use the cards to write four addition number sentences.



1 VF

9b. Use the cards to write four addition number sentences.



1 VF

Varied Fluency Fact Families Addition

Developing

1a. Numicon drawn for the following underlined numbers: $6 + \underline{1} = 7$; $1 + \underline{6} = \underline{7}$

2a. $9 = \underline{5} + \underline{4}$; $9 = \underline{4} + \underline{5}$

3a. Any two of the following additions shown. $5 + 2 = 7$; $2 + 5 = 7$; $7 = 2 + 5$; $7 = 5 + 2$

Expected

4a. $\underline{7} + 2 = 9$; $2 + \underline{7} = \underline{9}$; $9 = \underline{2} + \underline{7}$; $9 = 7 + \underline{2}$

5a. $5 + 3 = 8$; $3 + 5 = 8$; $8 = 3 + 5$; $8 = 5 + 3$

6a. $3 + 7 = 10$; $7 + 3 = 10$; $10 = 7 + 3$; $10 = 3 + 7$

Greater Depth

7a. $\underline{2} + \text{six} = \underline{8}$; $\text{six} + \underline{2} = \underline{8}$; $\underline{8} = \underline{2} + \underline{\text{six}}$;

$\underline{8} = \text{six} + \underline{2}$

8a. $3 + 4 = 7$; $4 + 3 = 7$; $7 = 4 + 3$; $7 = 3 + 4$

9a. $7 + \text{three} = \text{ten}$; $\text{three} + 7 = \text{ten}$;

$\text{ten} = 7 + \text{three}$; $\text{ten} = \text{three} + 7$

Varied Fluency Fact Families Addition

Developing

1b. Numicon drawn for the following underlined numbers: $2 + \underline{5} = 7$; $\underline{5} + 2 = \underline{7}$

2b. $8 = \underline{7} + \underline{1}$; $8 = \underline{1} + \underline{7}$

3b. Any two of the following additions shown. $5 + 4 = 9$; $4 + 5 = 9$; $9 = 4 + 5$; $9 = 5 + 4$

Expected

4b. $4 + \underline{6} = 10$; $\underline{6} + 4 = \underline{10}$; $\underline{10} = \underline{6} + 4$; $10 = \underline{4} + \underline{6}$

5b. $3 + 4 = 7$; $4 + 3 = 7$; $7 = 4 + 3$; $7 = 3 + 4$

6b. $4 + 2 = 6$; $2 + 4 = 6$; $6 = 2 + 4$; $6 = 4 + 2$

Greater Depth

7b. $\text{three} + \underline{4} = \underline{7}$; $\underline{4} + \text{three} = \underline{7}$;

$\underline{7} = \underline{4} + \text{three}$; $\underline{7} = \text{three} + \underline{4}$

8b. $2 + 8 = 10$; $8 + 2 = 10$; $10 = 8 + 2$; $10 = 2 + 8$

9b. $3 + \text{six} = 9$; $\text{six} + 3 = 9$; $9 = \text{six} + 3$; $9 = 3 + \text{six}$.