

Parent Guide

How can I use this with my children?

Look at the Numicon Shapes on the sheet together and work out what each number represents. Encourage your child to write down an addition number sentence to correspond to the Numicon Shapes and work out the answer.

How does this help my children's learning?

In year 1, the national curriculum requires that children are taught to use number bonds within 20. This activity will help your child practise this key skill, increasing their speed and fluency.

Ideas for further learning:

Download our [free 0 – 20 cards](#). Cut out the cards, shuffle them and place them face down in front of you. Take it in turns to turn over a card, then say the corresponding number bond of 20.



Numicon Shape Addition within 20 Activity Sheet (Ages 5 to 6)

Use the Numicon Shapes to work out the answers to each addition question.

$$\begin{array}{|c|} \hline \text{Cyan shape with 6 circles} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Light blue shape with 2 circles} \\ \hline \end{array} = \begin{array}{|c|} \hline \square \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline \text{Green shape with 6 circles} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Yellow shape with 3 circles} \\ \hline \end{array} = \begin{array}{|c|} \hline \square \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline \text{Red shape with 5 circles} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Light green shape with 4 circles} \\ \hline \end{array} = \begin{array}{|c|} \hline \square \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline \text{Pink shape with 6 circles} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Red shape with 5 circles} \\ \hline \end{array} = \begin{array}{|c|} \hline \square \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline \text{Purple shape with 7 circles} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Orange shape with 1 circle} \\ \hline \end{array} = \begin{array}{|c|} \hline \square \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline \text{Blue shape with 8 circles} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Light blue shape with 2 circles} \\ \hline \end{array} = \begin{array}{|c|} \hline \square \\ \hline \end{array}$$

Numicon Shape Addition within 20 Activity Sheet (Ages 5 to 6)

$$\begin{array}{|c|} \hline \text{Green Numicon 10} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Light Green Numicon 4} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Purple Numicon 11} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Yellow Numicon 3} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Pink Numicon 7} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Pink Numicon 7} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Green Numicon 10} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Cyan Numicon 6} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Purple Numicon 11} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Light Green Numicon 4} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Blue Numicon 10} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Red Numicon 5} \\ \hline \end{array} = \square$$

Numicon Shape Addition within 20 Activity Sheet (Ages 5 to 6)

$$\begin{array}{|c|} \hline \text{Red Numicon 7} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Red Numicon 7} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Pink Numicon 7} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Teal Numicon 6} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Green Numicon 6} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Red Numicon 7} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Purple Numicon 7} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Red Numicon 7} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Purple Numicon 7} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Green Numicon 6} \\ \hline \end{array} = \square$$

$$\begin{array}{|c|} \hline \text{Blue Numicon 6} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Blue Numicon 6} \\ \hline \end{array} = \square$$

Answers

First sheet:

1. $6 + 2 = 8$

2. $8 + 3 = 11$

3. $5 + 4 = 9$

4. $7 + 5 = 12$

5. $9 + 1 = 10$

6. $10 + 2 = 12$

Second sheet:

1. $8 + 4 = 12$

2. $9 + 3 = 12$

3. $7 + 7 = 14$

4. $8 + 6 = 14$

5. $9 + 4 = 13$

6. $10 + 5 = 15$

Third sheet:

1. $5 + 5 = 10$

2. $7 + 6 = 13$

3. $8 + 5 = 13$

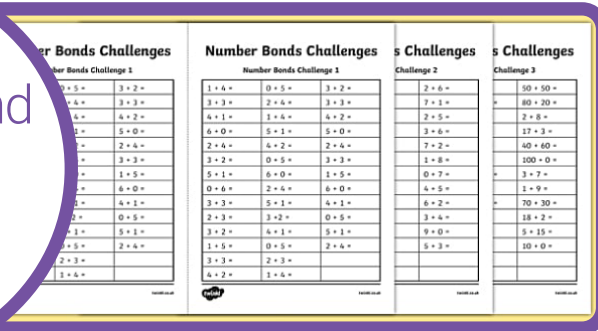
4. $9 + 5 = 14$

5. $9 + 8 = 17$

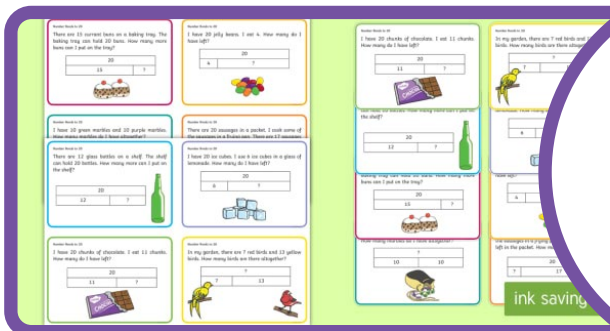
6. $10 + 10 = 20$

If you enjoyed this resource, why not try...

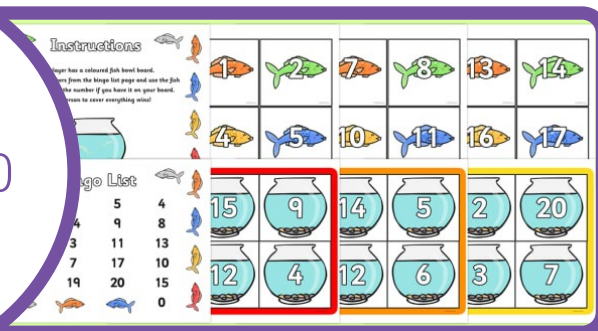
Number Bond
Challenge
Worksheet



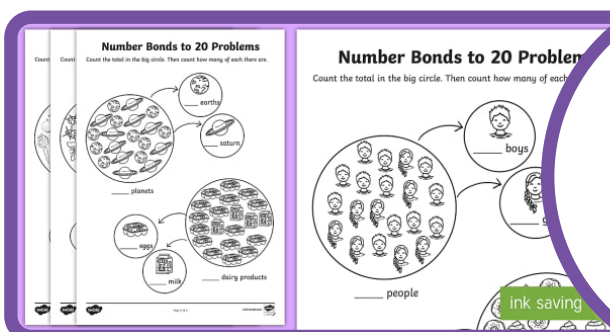
Number
Bonds to
20 Maths
Challenge
Cards



Number
Bonds to 20
Bingo



Number
Bonds to 20
Problems
Worksheet



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