

Kit 1 Numicon Whiteboard Lesson 4 (example)

Aim: To develop understanding of equivalence

Lesson

Open the main screen with Numicon shapes to 10 displayed

Select

Menu: workspace: balance

Menu: resources: words, symbols

Activity

> Select the word 'balances' from the list of words and the = symbol. Move the word 'balance' so that it is underneath the pan balance as shown in figure 1.

> Select the 5 shape and then the 2 shape from the number line of screen- clicking the shape and then placing them both into one side of the balance, as shown in figure 2.

> Ask the children if they can see which shape is needed to balance 2 and 5.

> Click and move the 7 shape to the empty pan of the balance.

> Select the equals symbol and place it in the middle of the two pans. Explain that this symbol can be used instead of the word 'balances'. See figure 3.

> Using the pan balance and equals symbol, repeat the activity with different examples.

Lesson extension

Still using the balance workspace, symbols and words lists, try the following activity:

Activity

Choose a number within 10, ask children to use two of its addition facts in the balance to show equivalence, e.g. $5+3 = 4+4$

Mathematical language

More, larger, bigger, greater, fewer, smaller, less, balances, equals, symbol, between

Reference

For further ideas refer to Numicon Kit 1 teaching guide: Calculating 2A and 2B.

figure 1

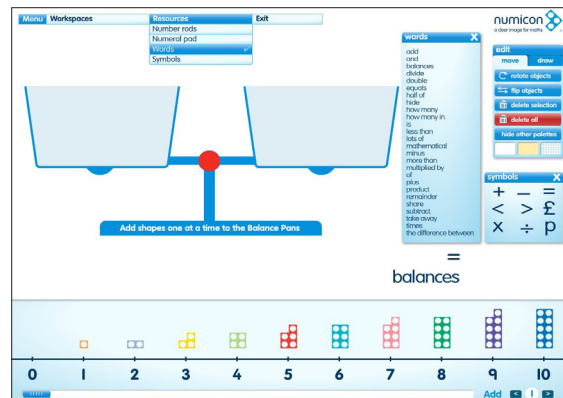


figure 2

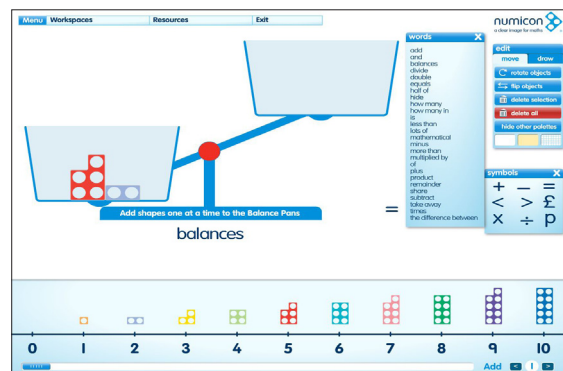


figure 3

