
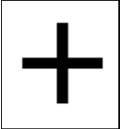


Introducing + - symbols


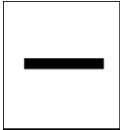
Use a multi-sensory approach
Numicon imagery is used alongside signing.

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Introducing + - symbols


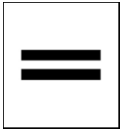
Use a multi-sensory approach
Numicon imagery is used alongside signing.

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Introducing = symbol

Use a multi-sensory approach
Numicon imagery is used alongside signing





Equals

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Introducing = symbol

Use a multi-sensory approach
Numicon imagery is used alongside signing



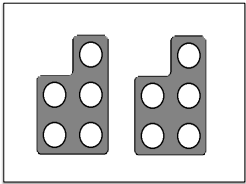
Balances

28

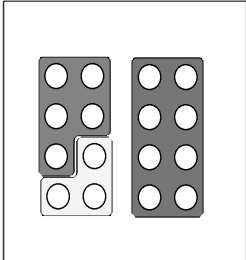
Same V Equivalent to

Incorrect loose vocabulary leads to misconceptions

Same as



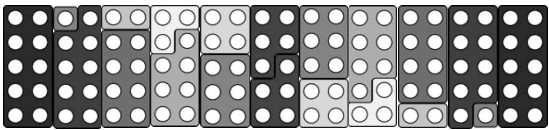
Equivalent to



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Reducing the Facts - Iconic Image

- Using both sets of 1-10 Numicon shapes
- We can make all the number bonds of 10
- We remove the bonds that are repeated.
- How many facts are there?



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Addition Iconic to Symbolic

Put out 6

Put out 4 more

How many altogether?

$4 + 6 = 10$

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Subtraction

Four structures of subtraction

- Take away – remove a shape
- The difference between
- Decrease (1 less or 1 fewer)
- Inverse of addition structure (as in giving change – where we actually count on to do the subtraction).

These four structures all use different language

- Children need to be able to recognise this language as signalling 'subtraction' in word problems.
- Also need to know which symbol to use when solving these word problems.

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Take away - Iconic to Symbolic

Put out 10

Take away 6

How many left?

$10 - 4 = 6$

So....If
 $10 - 6 = 4$
 then....
 $10 - 4 = 6$

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The Difference Between

Put out 10

Put 6 on top.

The difference between 10 and 6 equals 4

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Subtraction as Taking away

9 take away 2 equals 7
 $9 - 2 = 7$

4 take away 1 equals 3
 $4 - 1 = 3$

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Subtraction as find the difference

The difference between 9 and 7 equals 2
 $9 - 2 = 7$

The difference between 4 and 3 equals 1
 $4 - 3 = 1$

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