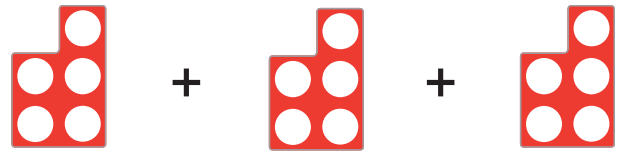
Numicon Shapes Multiplication as Repeated Addition

For each set of Numicon Shapes, write repeated addition statements and the matching multiplication statements.

For example:

$3 \times 2 = 6$

$2 + 2 + 2 = 6$



$\square \times \square = \square$

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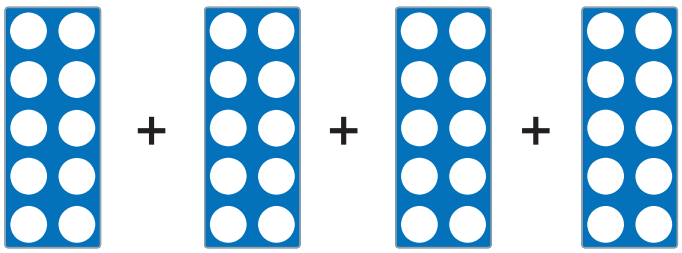

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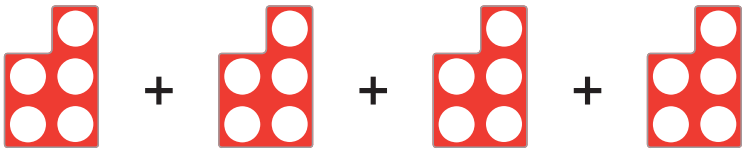

$\square \times \square = \square$

$\square + \square + \square + \square = \square$

Challenge: Adil says, "5 × 2 is the same as 2 × 5."

Is he correct? Use your Numicon Shapes to show how you know.

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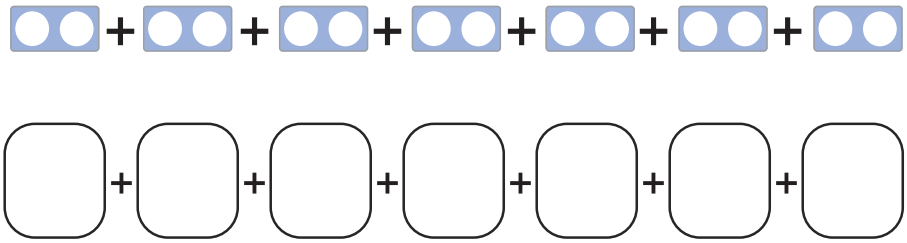

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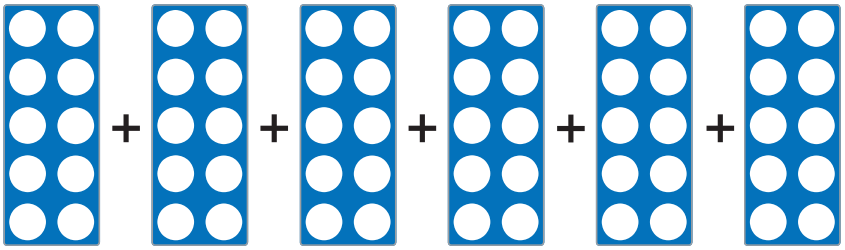

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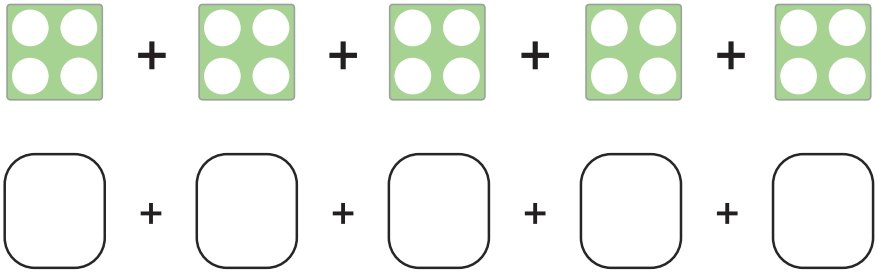

$\square \times \square = \square$

$\square + \square + \square + \square + \square = \square$

Challenge: Ben says, "4 × 5 is the same as 2 × 10."

Is he correct? Use your Numicon Shapes to show how you know.

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For example:

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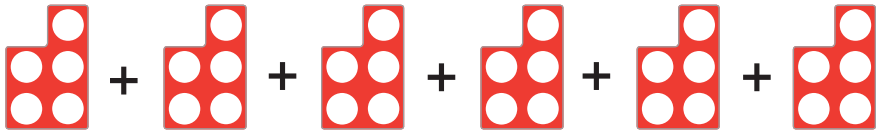

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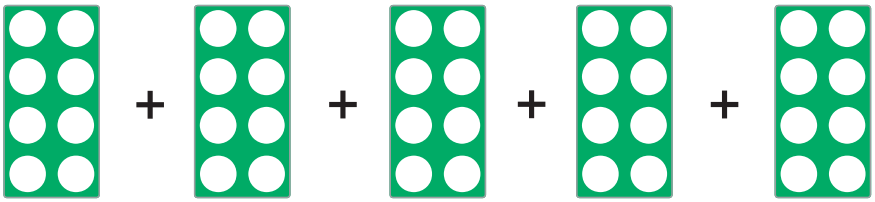

$\square \times \square = \square$

$\square + \square + \square + \square + \square = \square$

Challenge: Ciara says, "3 × 5 is less than 2 × 10."

Is she correct? Use your Numicon Shapes to show how you know.

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Numicon Shapes Multiplication as Repeated Addition **Answers**

★

3 × 5 = 15

4 × 10 = 40

4 × 5 = 20

Challenge:

He is correct.

Children might line up two of the 5 Numicon Shapes and five of the 2 Numicon Shapes to show the equality.

★★

7 × 2 = 14

6 × 10 = 60

5 × 4 = 20

Challenge:

He is correct.

Children might line up four of the 5 Numicon Shapes and two of the 10 Numicon Shapes to show the equality.

★★★

6 × 5 = 30

5 × 4 = 20

5 × 8 = 40

Challenge:

She is correct.

Children might line up three of the 5 Numicon Shapes and two of the 10 Numicon Shapes to show the inequality.

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