

Teacher notes

Maximise representation tables to A3 size and laminate for reuse.

Children will select an addition card and represent in the table using ten frames, part-whole diagram, number sentences, drawn pictures and a description.

DEVELOPING



Children will work in partners or small groups to build and complete calculations.

SECURE



Children will work individually to build and complete calculations.

MASTERY



Children will work individually and be required to draw and write representations with no guidance.
Children may progress to selecting two calculation cards and compare them using $<$, $>$ and $=$.

Example:

Add three 1-digit numbers

Represent each calculation card in the table below.

<p><u>Ten frames:</u></p> <p><u>Part-whole model and number sentences:</u></p>	<p><u>Describe:</u></p> <p><u>8</u> is a part, <u>3</u> is a part, <u>1</u> is a part.</p> <p>The whole is <u>12</u>.</p> <p><u>Number sentences:</u></p> $\underline{8} + \underline{3} + \underline{1} = \underline{12}$ $\underline{12} = \underline{8} + \underline{3} + \underline{1}$ <p><u>Draw it:</u></p>
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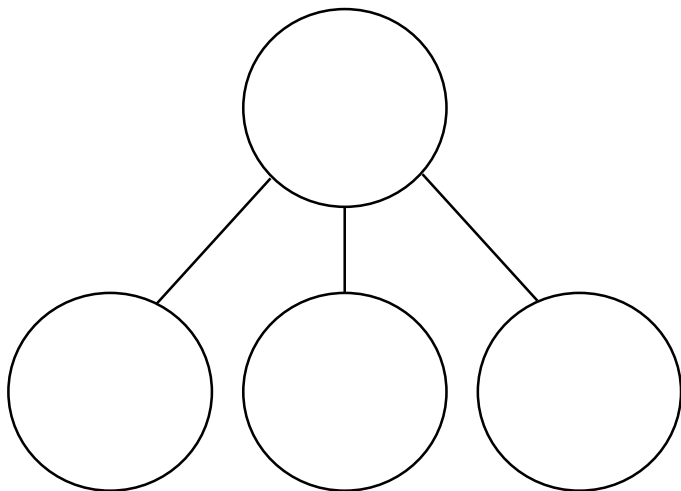
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Add three 1-digit numbers

Represent each calculation card in the table below.

Ten frames:

Part-whole model and number sentences:



Describe:

_____ is a part, _____ is a part, _____ is a part.

The whole is _____.

Number sentences:

_____ + _____ + _____ = _____

_____ = _____ + _____ + _____

Draw it:

<div></div>	+	<div></div>	+	<div></div>	=	<div></div>
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Add three 1-digit numbers



Represent each calculation card in the table below.

<u>Ten frames:</u>	<u>Describe:</u>
	<u>Number sentences:</u>
<u>Part-whole model and number sentences:</u>	<u>Draw it:</u>

Add three 1-digit numbers

$$4 + 3 + 1$$

$$8 + 3 + 1$$

$$3 + 3 + 5$$

$$5 + 4 + 7$$

$$2 + 3 + 4$$

$$7 + 4 + 6$$

$$1 + 6 + 7$$

$$8 + 6 + 3$$

$$4 + 1 + 5$$

$$2 + 1 + 3$$

$$7 + 8 + 1$$

$$6 + 7 + 6$$

$$6 + 9 + 4$$

$$9 + 7 + 2$$

$$1 + 5 + 2$$

$$5 + 2 + 4$$

$$6 + 5 + 2$$

$$9 + 2 + 4$$

Answers - Add three 1-digit numbers

$$4 + 3 + 1 = 8$$

$$8 + 3 + 1 = 12$$

$$3 + 3 + 5 = 11$$

$$5 + 4 + 7 = 16$$

$$2 + 3 + 4 = 9$$

$$7 + 4 + 6 = 17$$

$$1 + 6 + 7 = 14$$

$$8 + 6 + 3 = 17$$

$$4 + 1 + 5 = 10$$

$$2 + 1 + 3 = 6$$

$$7 + 8 + 1 = 16$$

$$6 + 7 + 6 = 19$$

$$6 + 9 + 4 = 19$$

$$9 + 7 + 2 = 18$$

$$1 + 5 + 2 = 8$$

$$5 + 2 + 4 = 11$$

$$6 + 5 + 2 = 13$$

$$9 + 2 + 4 = 15$$