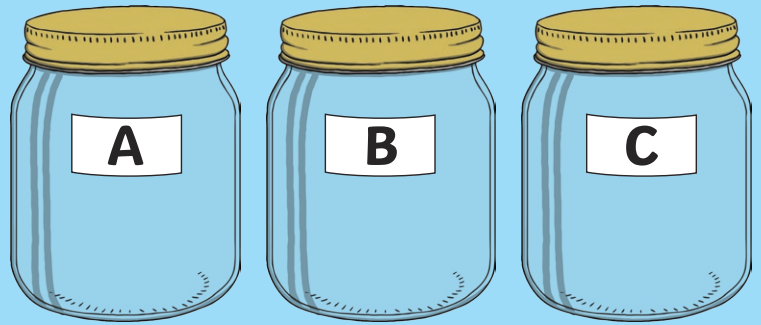# Marbles in Jars Investigation

Here are 3 jars.

There are 10 marbles altogether in the jars.

There are double the number of marbles in jar A than jar B.

A   B   C

Use the following jars to show the possible number of marbles in each jar.

A   B   C   A   B   C

A   B   C

The marbles are changed so there are 3 less marbles in jar C than jar A.

A   B   C   A   B   C

A   B   C   A   B   C

Marbles in Jars Investigation

Challenge: Make your own rule for a partner to solve.

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_____

_____

| A | B | C | | A | B | C |

| A | B | C | | A | B | C |

| A | B | C | | A | B | C |

| A | B | C | | A | B | C |

Marbles in Jars Investigation **Answers**

There are 10 marbles altogether in the jars.

There are double the number of marbles in jar A than jar B.

A	B	C
2	1	7
4	2	4
6	3	1

The marbles are changed so there are 3 less marbles in jar C than jar A.

A	B	C
3	7	0
4	5	1
5	3	2
6	1	3