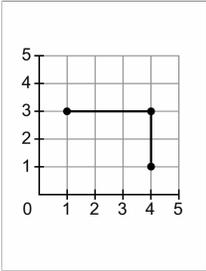


Mathematics Task 1: Missing Point of a Polygon

Materials and Setup

Item 1



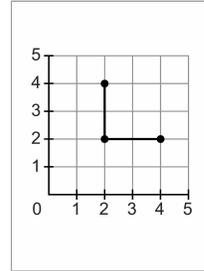
(1, 1)

(0, 1)

(1, 0)



Item 2



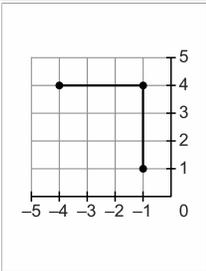
(4, 2)

(2, 4)

(4, 4)



Item 3



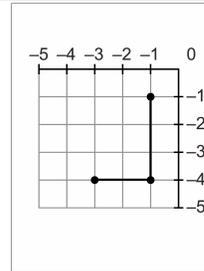
(-4, 1)

(-1, 4)

(-4, -4)



Item 4



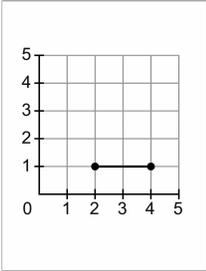
(-1, -3)

(-3, -1)

(3, 1)



Item 5



(3, 5)	(4, 5)	(5, 5)
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Adaptive Instructions

Item 1

Teacher can place concrete objects on each of the given points.

Item 3

Teacher can place concrete objects on each of the given points.

Item 5

Teacher can place concrete objects on each of the given points.

Item 2

Teacher can place concrete objects on each of the given points.

Item 4

Teacher can place concrete objects on each of the given points.

Access Limitations

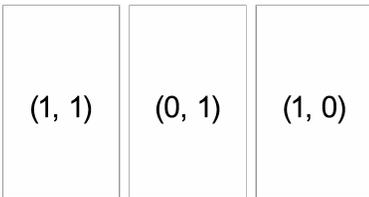
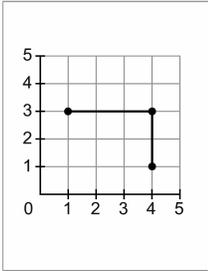
N/A (Not Applicable) (Item 1, 2, 3, 4, 5)

Subject Domain : G (*Geometry*)

Mathematics Task 1:

Missing Point of a Polygon: Item 1

Setup



Script

Say: ***We're going to find the missing points of some polygons.***

Say: ***Three of the four points of this rectangle are on the grid.***

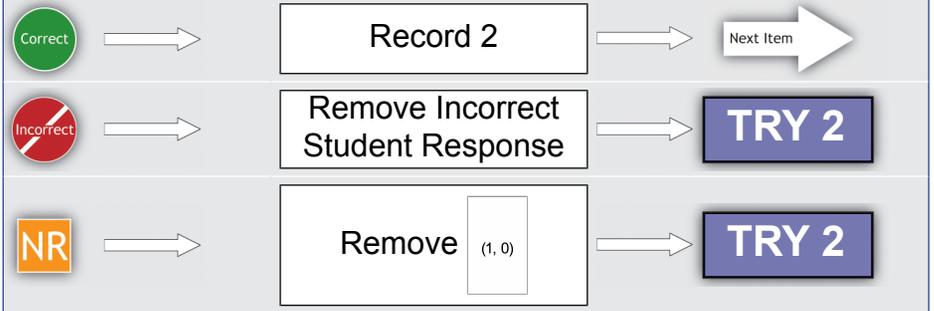
They are one, three (indicate (1, 3)), ***four, three*** (indicate (4, 3)), ***and four, one*** (indicate (4, 1)).

Do: Allow the student to look at (touch) the points on the grid.

Say: ***Tell (show) me, which point will complete the rectangle:***

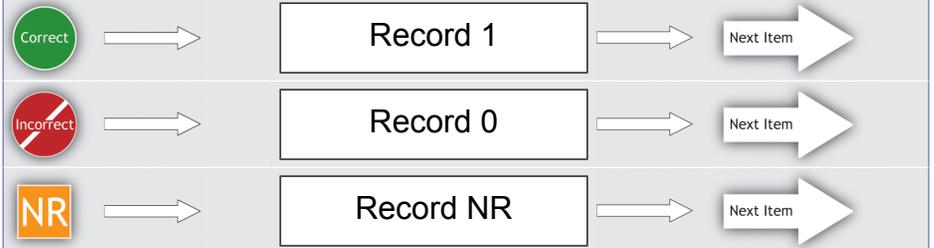
one, one (indicate the (1, 1) card), ***zero, one*** (indicate the (0, 1) card), ***or one, zero*** (indicate the (1, 0) card)?

TRY 1



TRY 2

Tell (show) me, which point will complete the rectangle: (indicate each remaining option)?

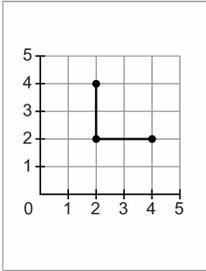


Subject Domain : G (Geometry)

Mathematics Task 1:

Missing Point of a Polygon: Item 2

Setup



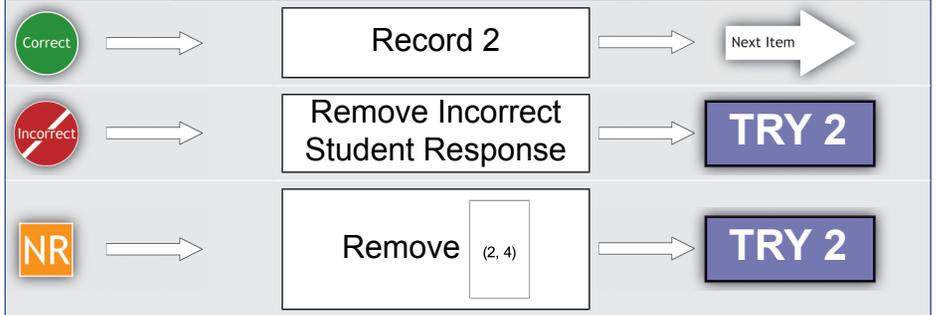
Script

Say: **Three of the four points of this square are on the grid. They are two, two** (indicate (2, 2)), **two, four** (indicate (2, 4)), **and four, two** (indicate (4, 2)).

Do: Allow the student to look at (touch) the points on the grid.

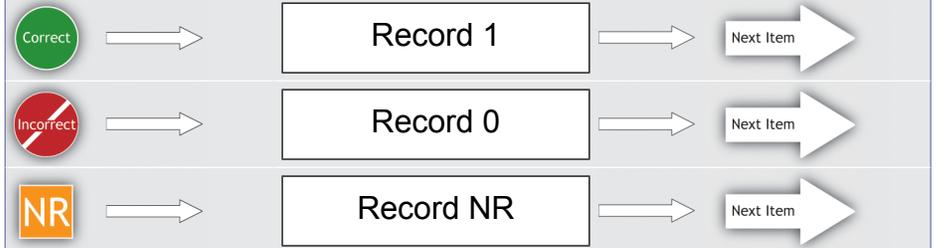
Say: **Tell (show) me, which point will complete this square: four, two** (indicate the (4, 2) card), **two, four** (indicate the (2, 4) card), **or four, four** (indicate the (4, 4) card)?

TRY 1



TRY 2

Tell (show) me, which point will complete the square: (indicate each remaining option)?

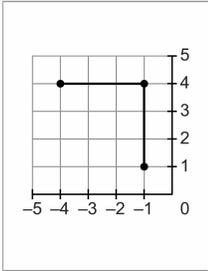


Subject Domain : G (Geometry)

Mathematics Task 1:

Missing Point of a Polygon: Item 3

Setup



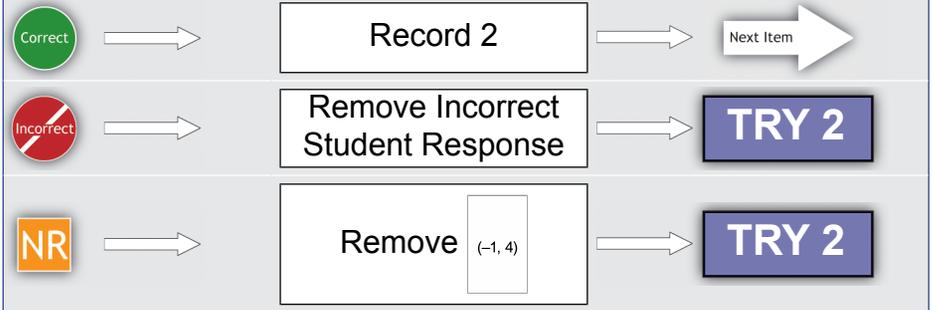
Script

Say: **Three of the four points of this square are on the grid. They are negative one, one** (indicate $(-1, 1)$), **negative one, four** (indicate $(-1, 4)$), **and negative four, four** (indicate $(-4, 4)$).

Do: Allow the student to look at (touch) the points on the grid.

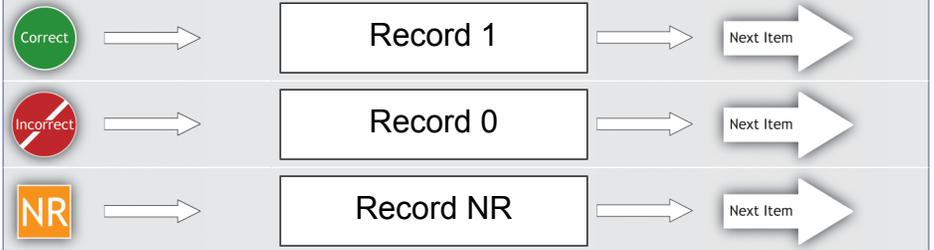
Say: **Tell (show) me which point will complete this square: negative four, one** (indicate the $(-4, 1)$ card), **negative one, four** (indicate the $(-1, 4)$ card), **or negative four, negative four** (indicate the $(-4, -4)$ card)?

TRY 1



TRY 2

Tell (show) me which point will complete this square: (indicate each remaining option)?

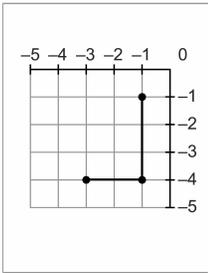


Subject Domain : G (Geometry)

Mathematics Task 1:

Missing Point of a Polygon: Item 4

Setup



$(-1, -3)$	$(-3, -1)$	$(3, 1)$
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Script

Say: **Three of the four points of this rectangle are on the grid. They are negative one, negative one** (indicate $(-1, -1)$), **negative one, negative four** (indicate $(-1, -4)$), **and negative three, negative four** (indicate $(-3, -4)$).

Do: Allow the student to look at (touch) the points on the grid.

Say: **Tell (show) me which point will complete this rectangle: negative one, negative three** (indicate the $(-1, -3)$ card), **negative three, negative one** (indicate the $(-3, -1)$ card), **or three, one** (indicate the $(3, 1)$ card)?

TRY 1

	→	Record 2	→	Next Item
	→	Remove Incorrect Student Response	→	TRY 2
	→	Remove $(3, 1)$	→	TRY 2

TRY 2

Tell (show) me which point will complete this rectangle: (indicate each remaining option)?

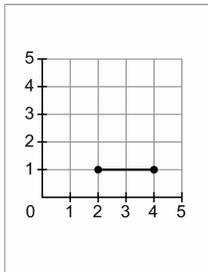
	→	Record 1	→	Next Item
	→	Record 0	→	Next Item
	→	Record NR	→	Next Item

Subject Domain : G (Geometry)

Mathematics Task 1:

Missing Point of a Polygon: Item 5

Setup



Script

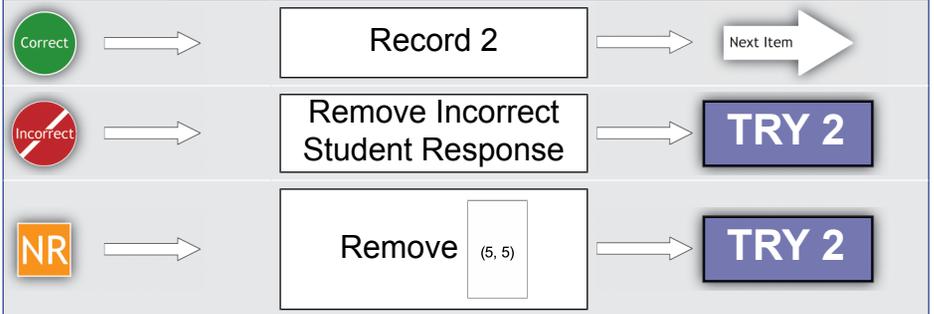
Say: **Two of the three points of this right triangle are on the grid. They are two, one** (indicate (2, 1)) **and four, one** (indicate (4, 1)).

Do: Allow the student to look at (touch) the points on the grid.

Say: **Tell (show) me which point will complete this right triangle: three, five** (indicate the (3, 5) card), **four, five** (indicate the (4, 5) card), **or five, five** (indicate the (5, 5) card)?

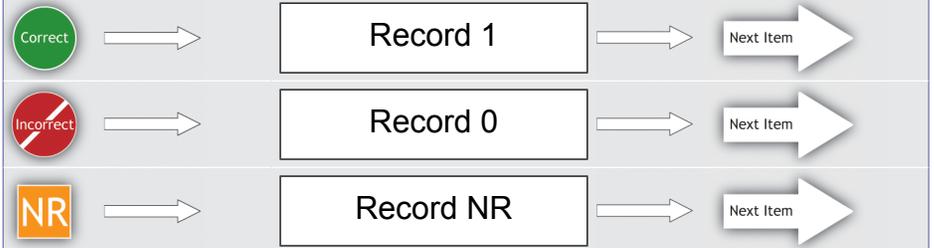
At the completion of the task say: **We're finished finding the missing points of polygons.**

TRY 1



TRY 2

Tell (show) me which point will complete this right triangle: (indicate each remaining option)?



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