Exploring Quadrilaterals

Create a quadrilateral to place in at least 3 different boxes on the attached grid based on the number of pairs of parallel sides and congruent sides. Create drawings that represent your shapes and explain why they fit using mathematical vocabulary. Use any available tools to assist with your drawings.

Shape **C** makes sense because 0 PaRRalWlz and 2 conGRucht.

Shape **F** makes sense because 1 PaRRqLeL 2e pairs of congracaf sidses.

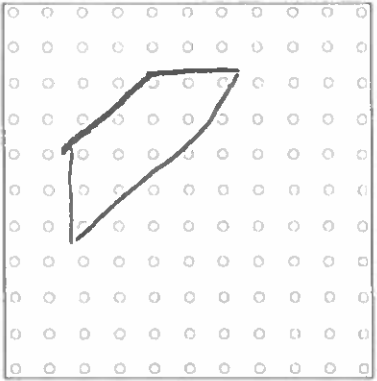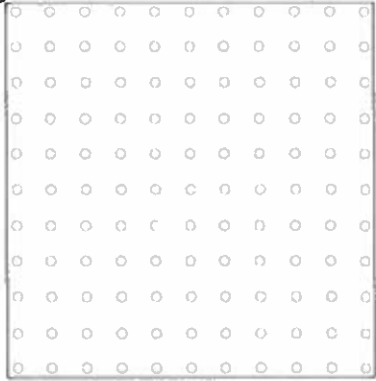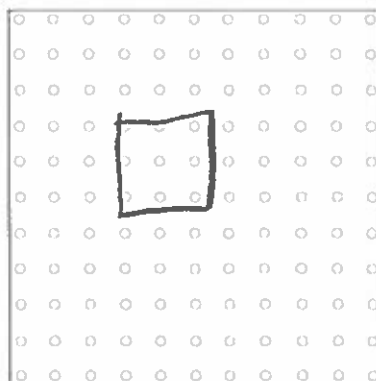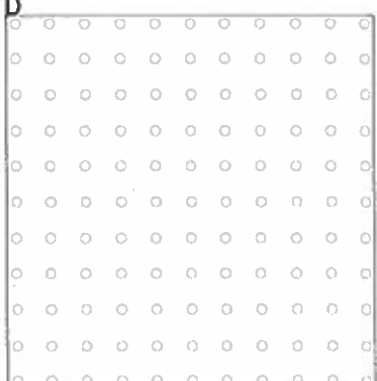Shape **G** makes sense because 2 PaRQaLlel 2e OhGRueh sides.

Keep thinking!
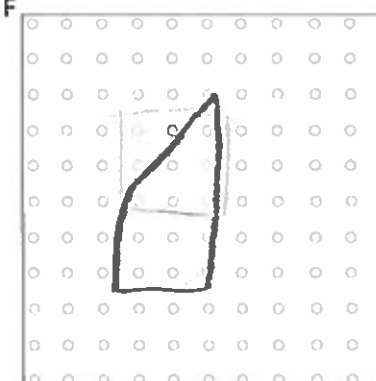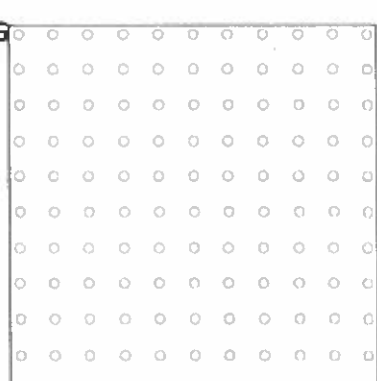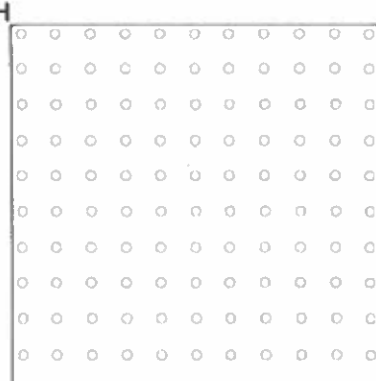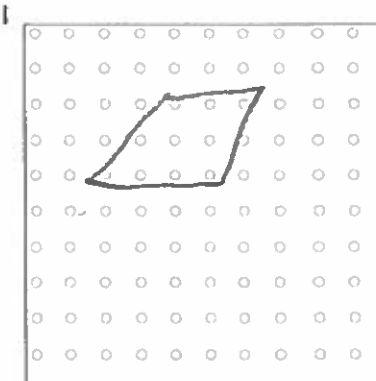Are there any boxes in the grid that could have more than one quadrilateral?
Explain. OPaRRaLleL ind 0 conGRaRht # JuSt had to PLay aRonht vith it ahd it worket

Were there any boxes for which no quadrilateral would fit? Explain.

Pairs of Congruent Sides

	0	1	2
0	A	B	C
1	D	E	F
2	G	H	I

Pairs of Parallel Sides

Exploring Quadrilaterals

Create a quadrilateral to place in at least 3 different boxes on the attached grid based on the number of pairs of parallel sides and congruent sides. Create drawings that represent your shapes and explain why they fit using mathematical vocabulary. Use any available tools to assist with your drawings.

Shape _1_ makes sense because _pont 1 is a coutogin_ _4 sise_

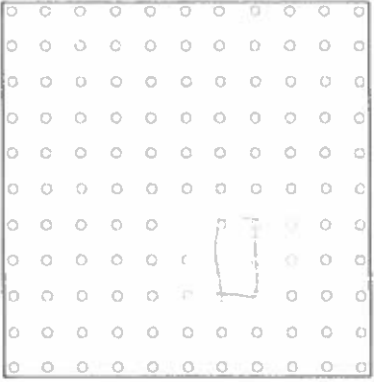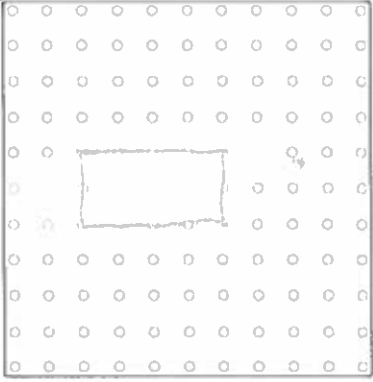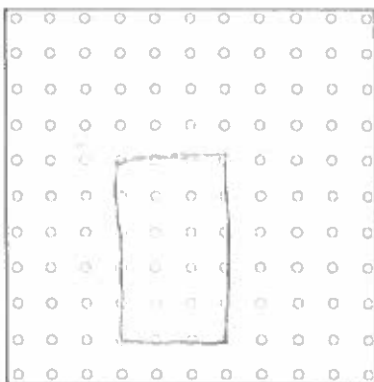Shape _G_ makes sense because _Shape G makes sense_ _because it has 4 rinht ahiges_
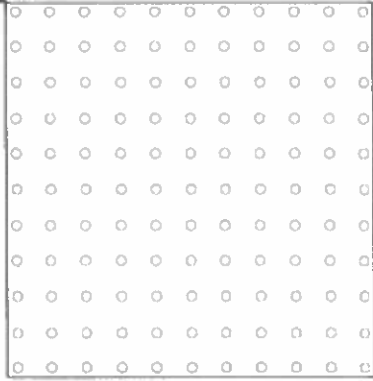
Shape _B_ makes sense because _Shape B makes sense_ _becuse 4 sides 4 riht anlges_
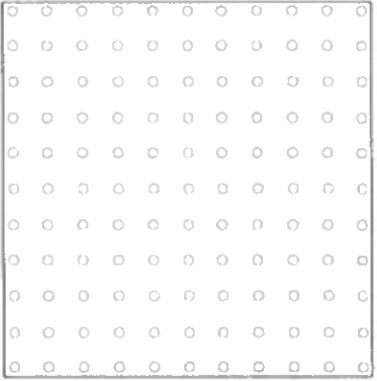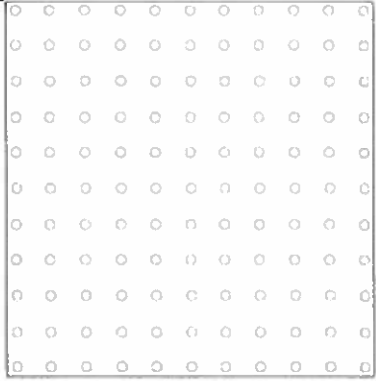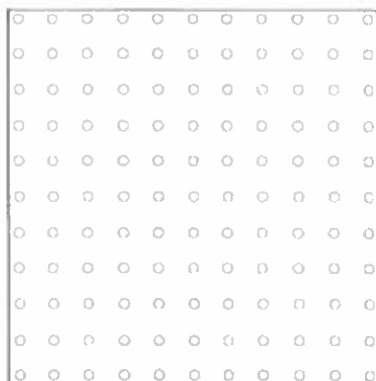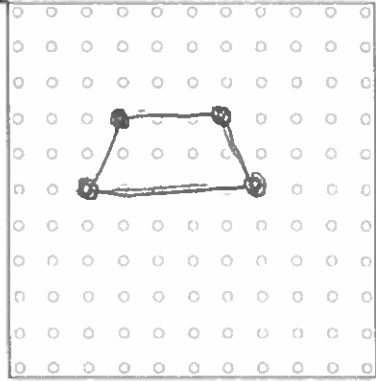
Keep thinking!
Are there any boxes in the grid that could have more than one quadrilateral? Explain.

Were there any boxes for which no quadrilateral would fit? Explain.

Pairs of Congruent Sides

	0	1	2

Pairs of Parallel Sides
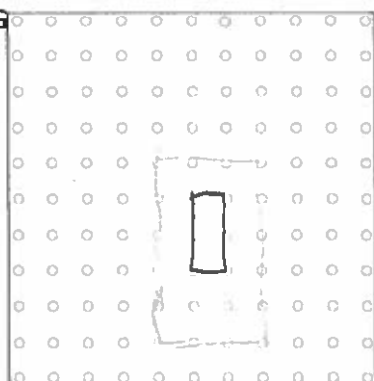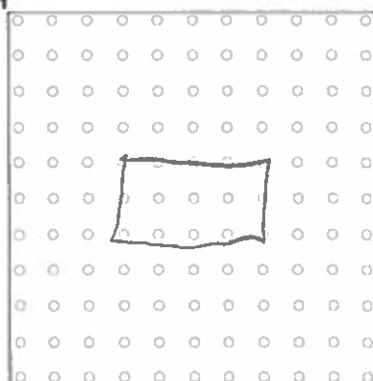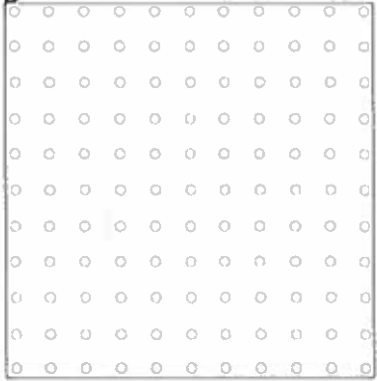
Exploring Quadrilaterals

Create a quadrilateral to place in at least 3 different boxes on the attached grid based on the number of pairs of parallel sides and congruent sides. Create drawings that represent your shapes and explain why they fit using mathematical vocabulary. Use any available tools to assist with your drawings.

Shape _I_ makes sense because _it has two pairs of congruent_

sides and two pairs of parallel sides.

Shape _E_ makes sense because _it has one pair of parallel_

side and one pair of congruent side.

Shape ___ makes sense because _____

Keep thinking!
Are there any boxes in the grid that could have more than one quadrilateral? Explain.

Were there any boxes for which no quadrilateral would fit? Explain.

Pairs of Congruent Sides

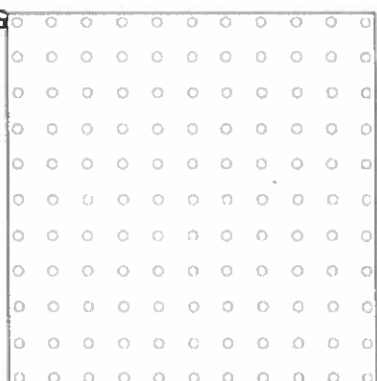|	0	1	2
0	A	B	C
1	D	E	F
2	G	H	I

Pairs of Parallel Sides

Exploring Quadrilaterals

Create a quadrilateral to place in at least 3 different boxes on the attached grid based on the number of pairs of parallel sides and congruent sides. Create drawings that represent your shapes and explain why they fit using mathematical vocabulary. Use any available tools to assist with your drawings.

Shape __A__ makes sense because __it has O pairs of congruent sides and O pairs of parallel sides.__

Shape __E__ makes sense because __it has 1 pair of parallel sides and 1 congruent side.__

Shape __I__ makes sense because __it has 2 congruent sides and 2 parallel sides__
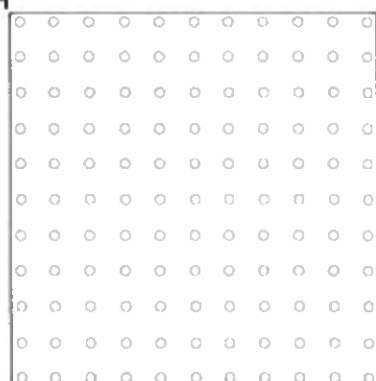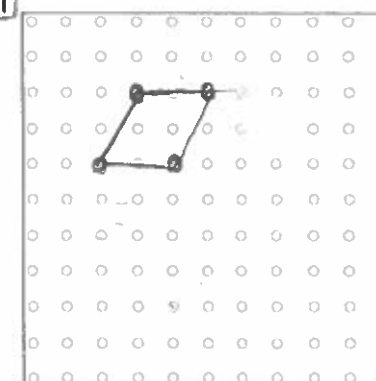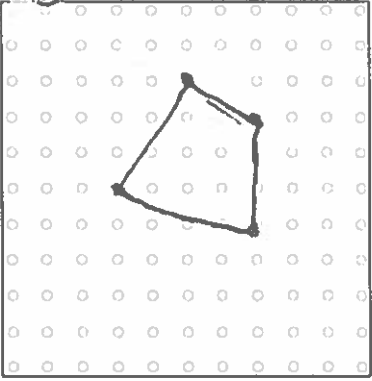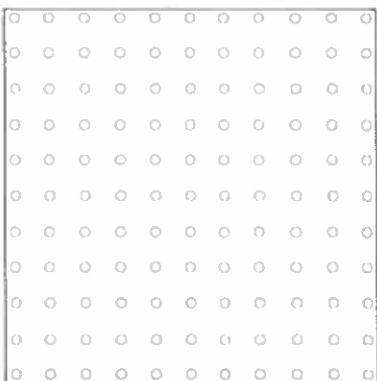
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Were there any boxes for which no quadrilateral would fit? Explain.

Pairs of Congruent Sides

	0	1	2
0	A	B	C
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Pairs of Parallel Sides

Exploring Quadrilaterals

Create a quadrilateral to place in at least 3 different boxes on the attached grid based on the number of pairs of parallel sides and congruent sides. Create drawin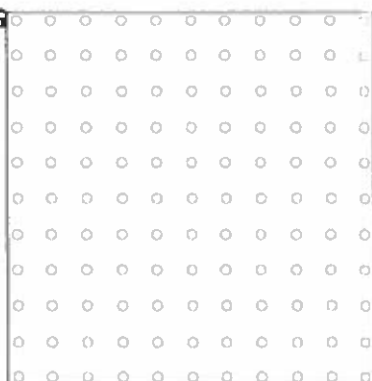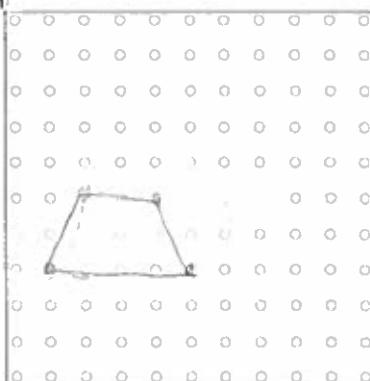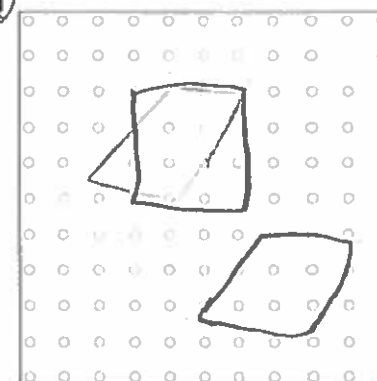gs that represent your shapes and explain why they fit using mathematical vocabulary. Use any available tools to assist with your drawings.

Shape __A__ makes sense because _it DoS not have paralles line and iptusite line._

Shape __E__ makes sense because _1 Set of parılles line and 1 of inceptrint_

Shape __I__ makes sense because _____

Keep thinking!
Are there any boxes in the grid that could have more than one quadrilateral? Explain.

Were there any boxes for which no quadrilateral would fit? Explain.

Pairs of Congruent Sides

	0	1	2
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Pairs of Parallel Sides

Exploring Quadrilaterals

Create a quadrilateral to place in at least 3 different boxes on the attached grid based on the number of pairs of parallel sides and congruent sides. Create drawings that represent your shapes and explain why they fit using mathematical vocabulary. Use any available tools to assist with your drawings.

Shape ___ makes sense because _it Dint tach_
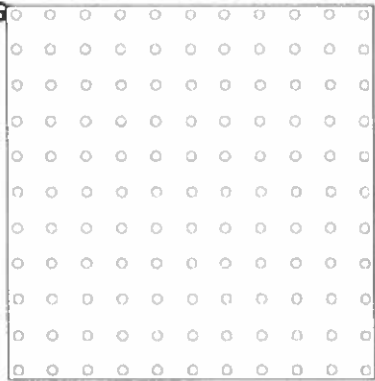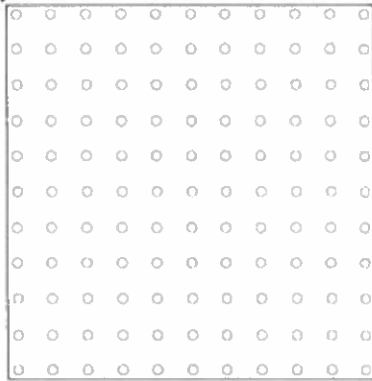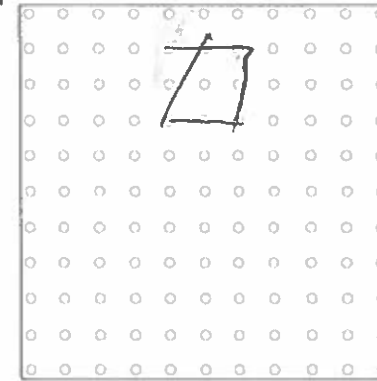_because it was paralle_

Shape B makes sense because _its curaed and_
it dosen't tuch

Shape C makes sense because _its tho parel_
sides tuch, all

Keep thinking!
Are there any boxes in the grid that could have more than one quadrilateral? Explain.

quadrilateral

Were there any boxes for which no quadrilateral would fit? Explain.

Pairs of Congruent Sides

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0	A	B	C
1	D	E	F
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Shape A makes sense because it has 0 congruent sides and 0 parallel sides so it follows the rule.

Shape I makes sense because it has 2 congruent sides and 2 parallel sides

Shape E makes sense because there is 1 congruent sides and 2 parallel sides

Keep thinking!
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Were there any boxes for which no quadrilateral would fit? Explain.

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Pairs of Parallel Sides