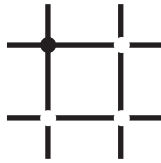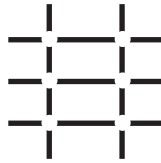# Exploring Lines and Intersections

Draw dots to show where the lines intersect.
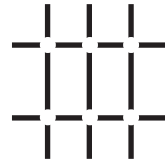
1.

2.

3.

Complete each table.

4.
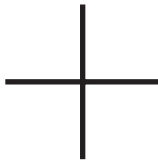
5.

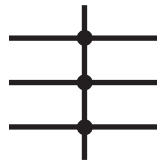**6.**

7.

Drawing Lines and Intersections
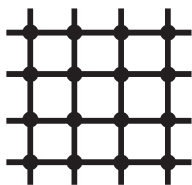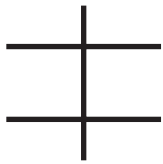
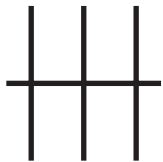**Draw dots to show where the lines intersect. Complete each table.**

1.

—	2
|	1
+	2

2.

—	
|	0
+	

3.

—	
|	
+	

4.

—	
|	
+	
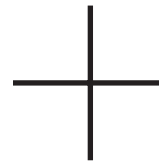
5.

—	
|	
+	
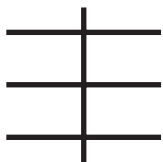
6.

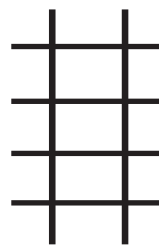| —	
|	
+	

Exploring Direction on a Map

Find two paths from A to B on each map.

North ↑

1.

2.

West
←

East
→

3.

4.

South ↓
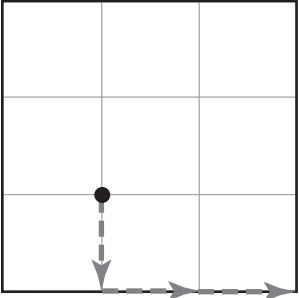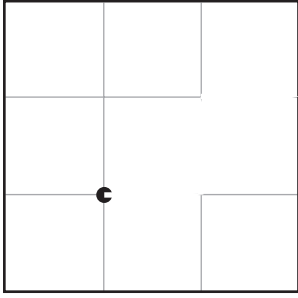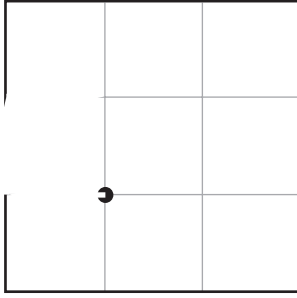
Finding and Following Paths on a Grid

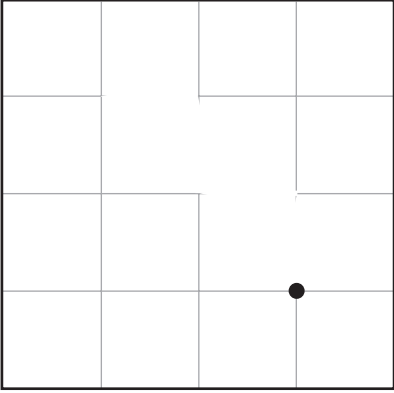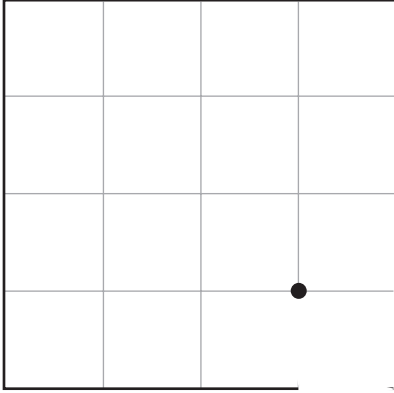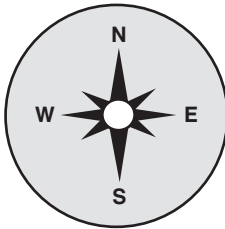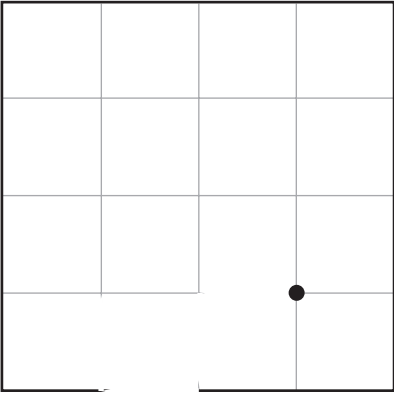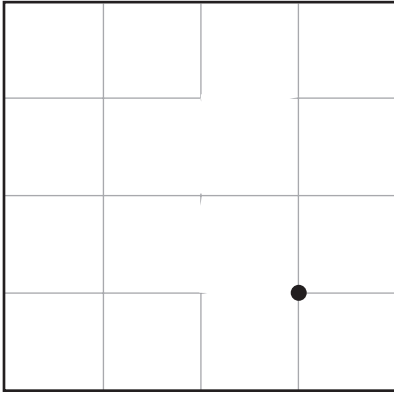**Start at the dot. Draw each path.**

1.

S E E

2.
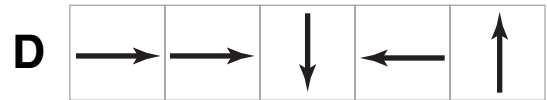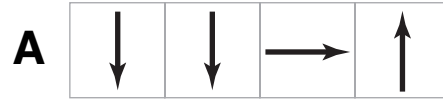
E N E
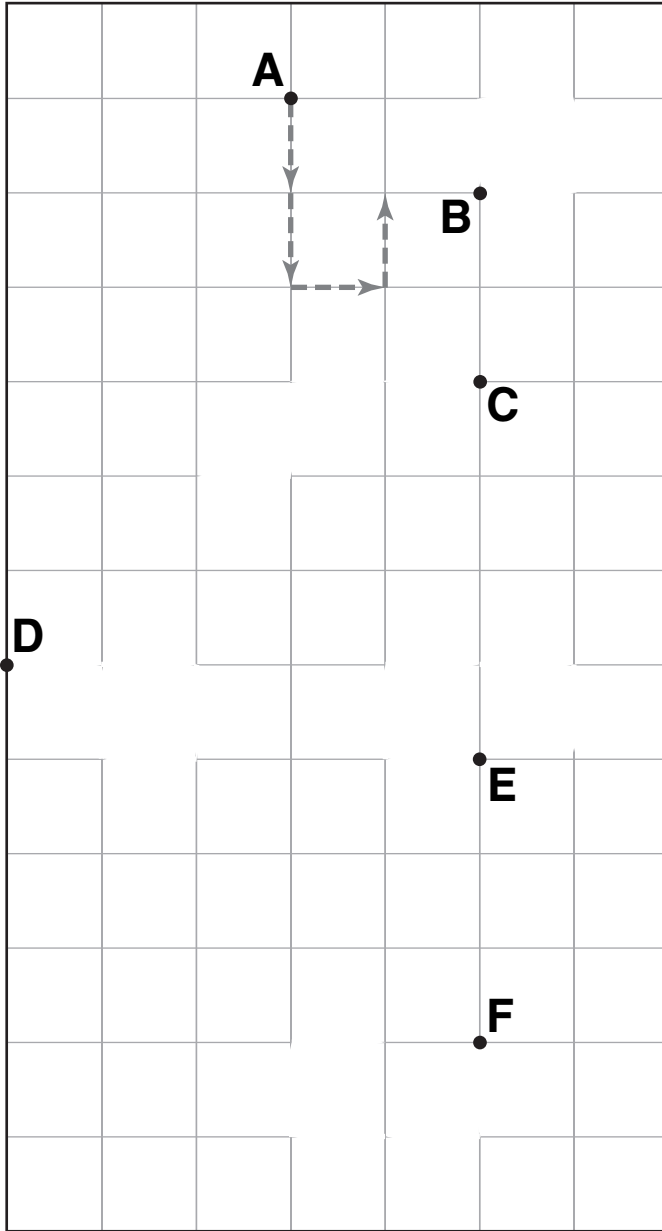
3.

W N E

4.

N W N W

5.

S E N N

6.

W S W N

7.

W N N E

Paths and Figures on a Grid

Start at the dot. Draw each path.

A ↓ ↓ → ↑

B → ↑ ← ↓

C ← ← ↓ ←

D → → ↓ ← ↑

E ← ↑ → → ↓

F ↓ ← ← ↑ →

Exploring Symmetry

Draw the other half.

1.
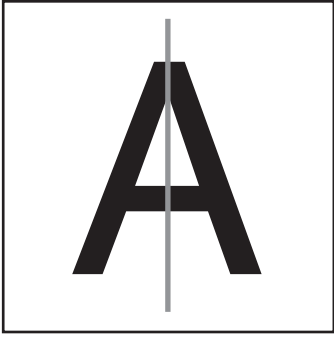
2.

3.
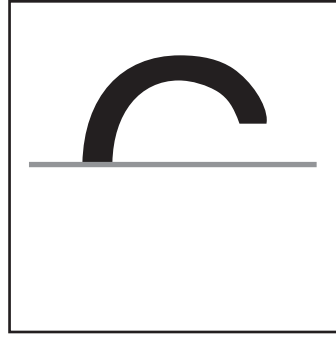
4.

5.
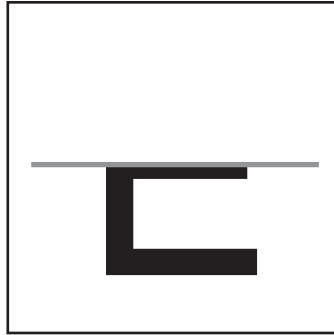
6.
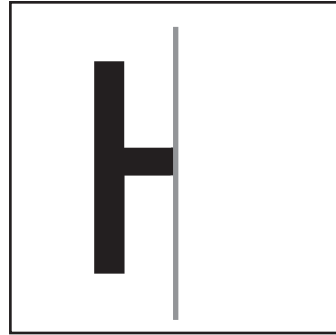
7.
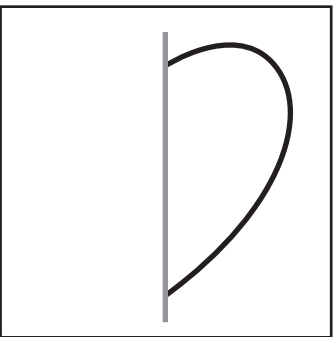
8.
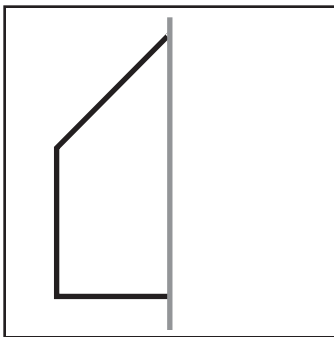
9.
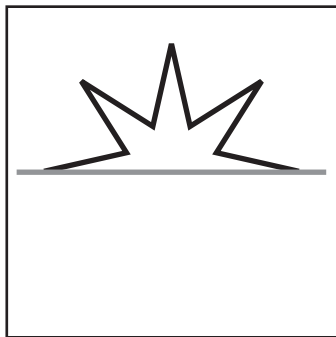
Connecting Points to Make Figures

H
•

A •- - - - - - - - - - - - - - - - • **G**

B •   • **F**

•
C

•
E

•
D
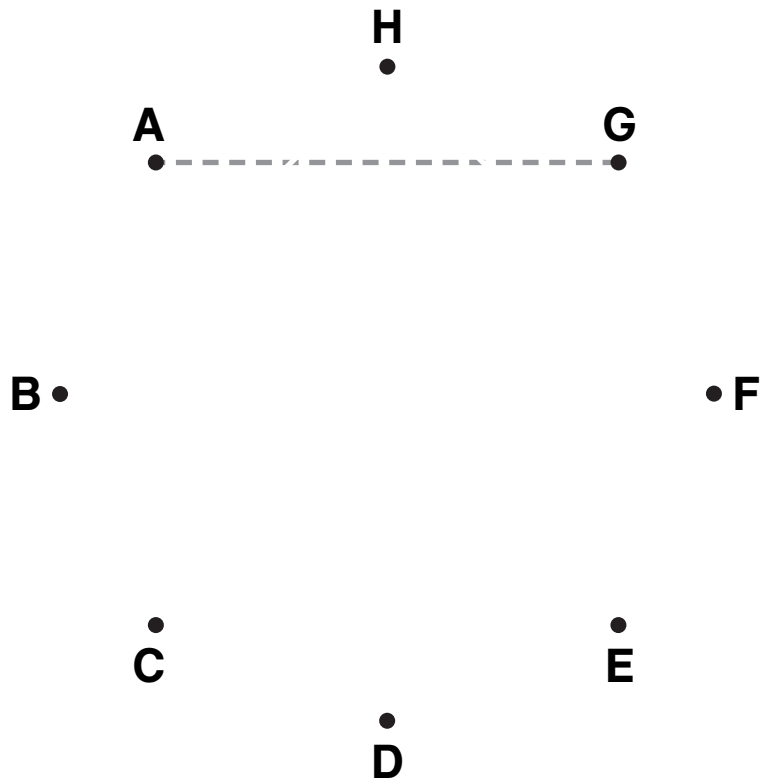
I. Draw lines to connect the points.

A and **C**	**B** and **D**	**B** and **H**	**A** and **G**
G and **E**	**H** and **F**	**D** and **F**	**C** and **E**

---

2. How many triangles did you make?

_____ triangles

---

3. How many squares did you make?
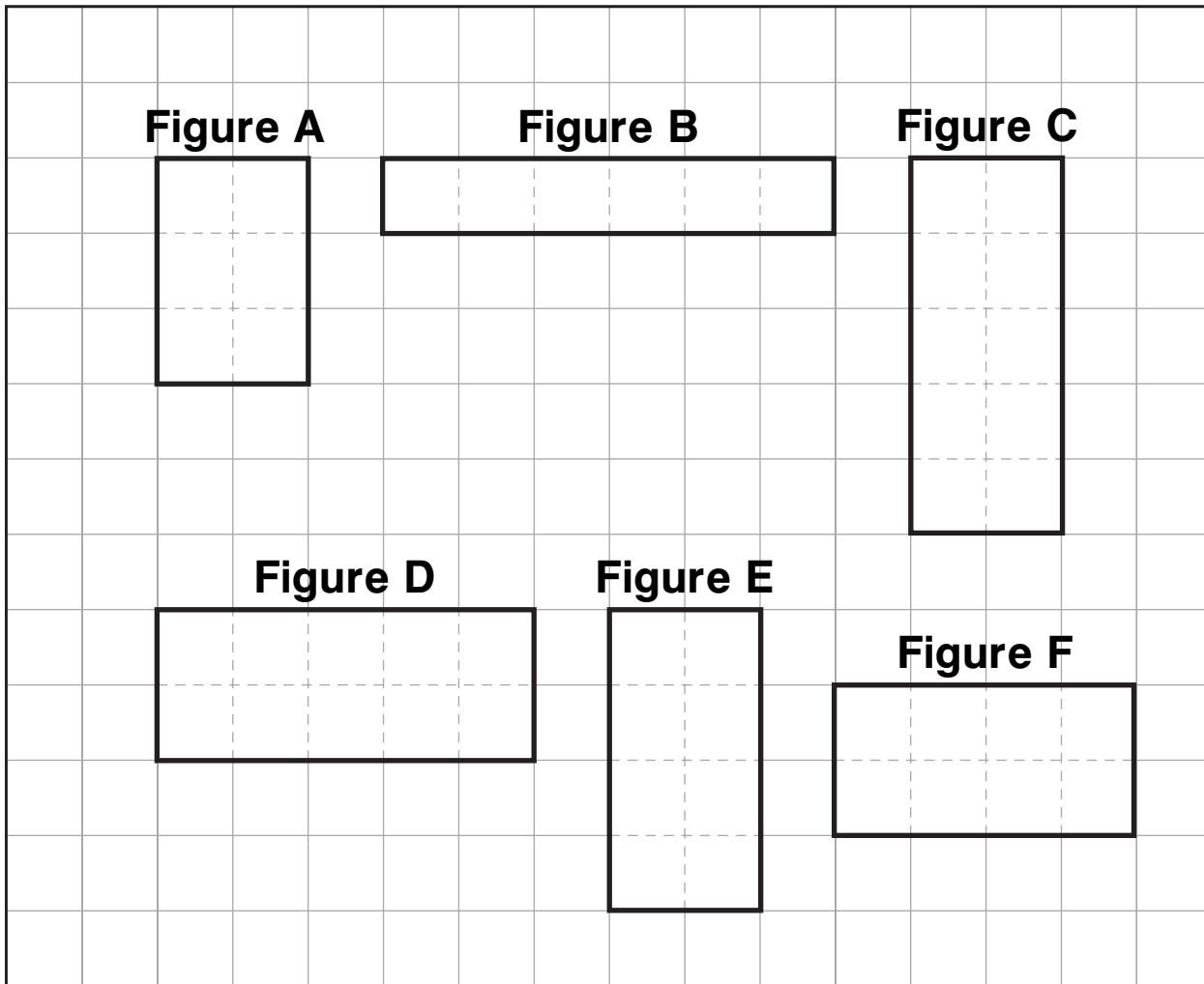
_____ squares

Investigating Rectangles

Figure A
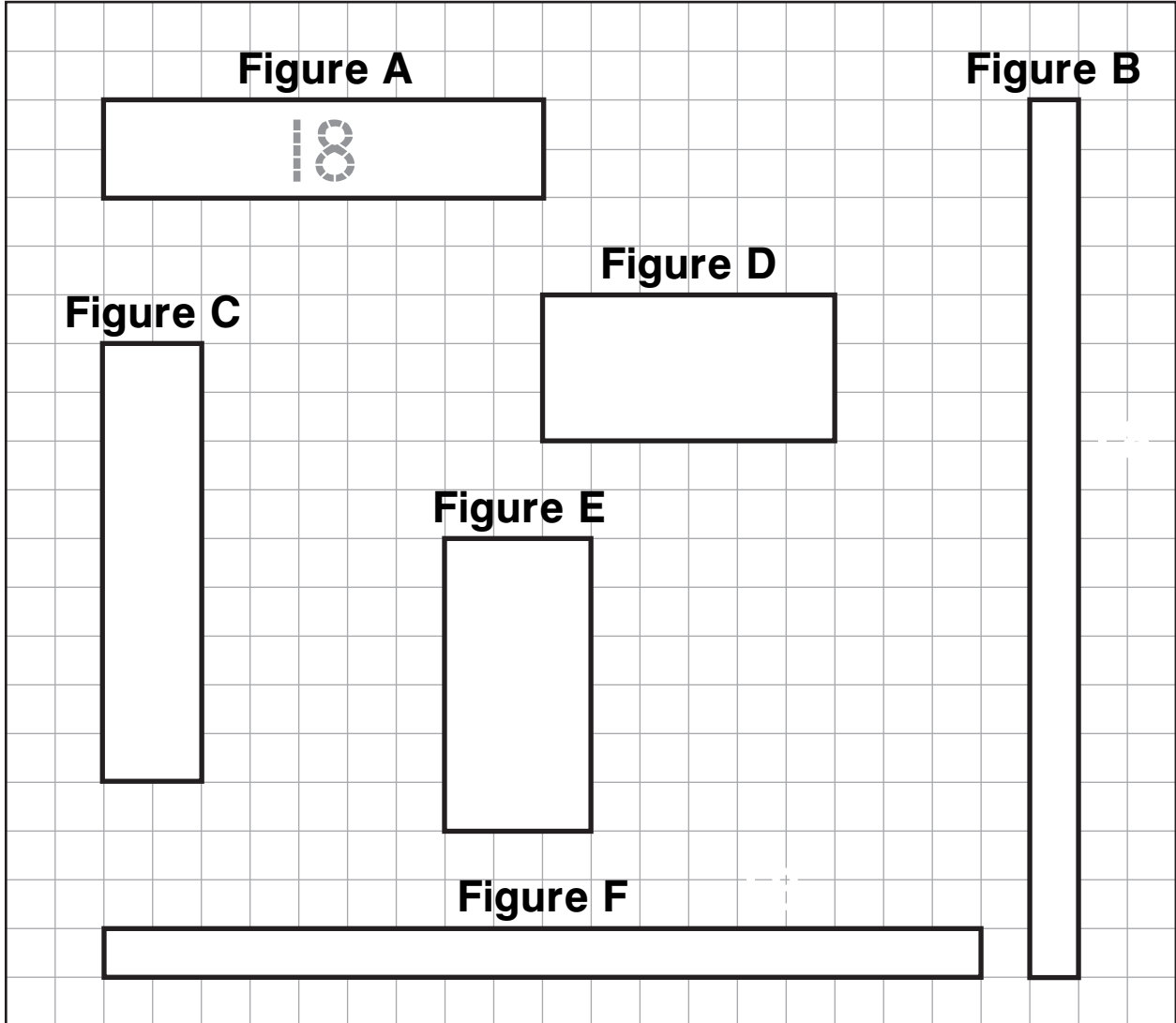
Figure B

Figure C

Figure D

Figure E

Figure F

Use the figures above to complete the table.

Figure	A	B	C	D	E	F
Number of □	6					

Recording and Graphing Rectangles

1. How many ☐ are in each figure?

Figure A

18

Figure B

Figure D

Figure C

Figure E

Figure F

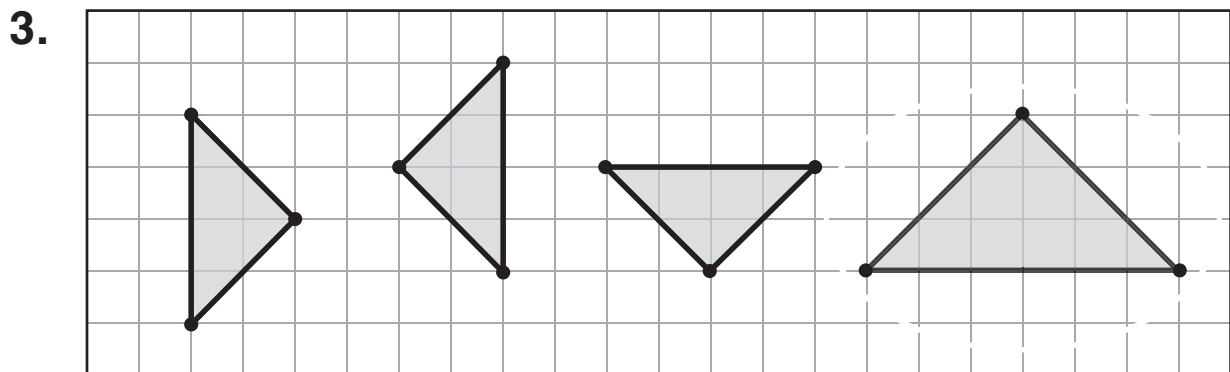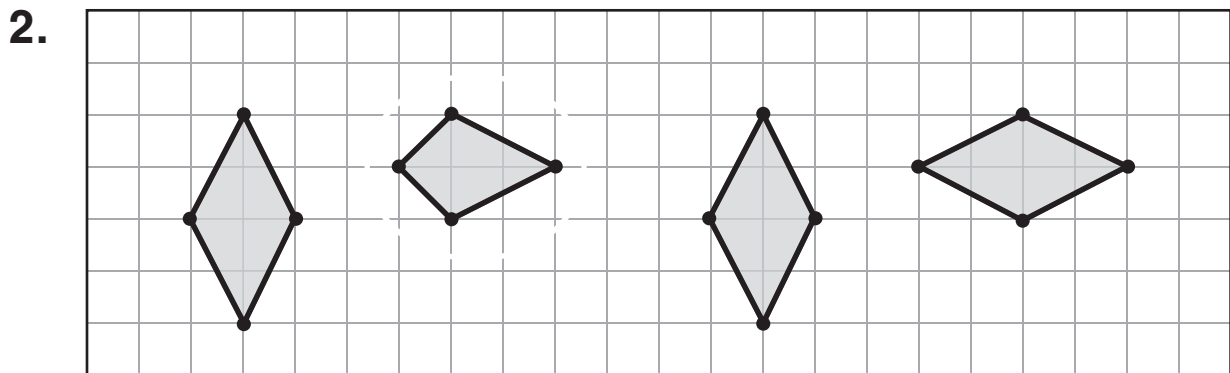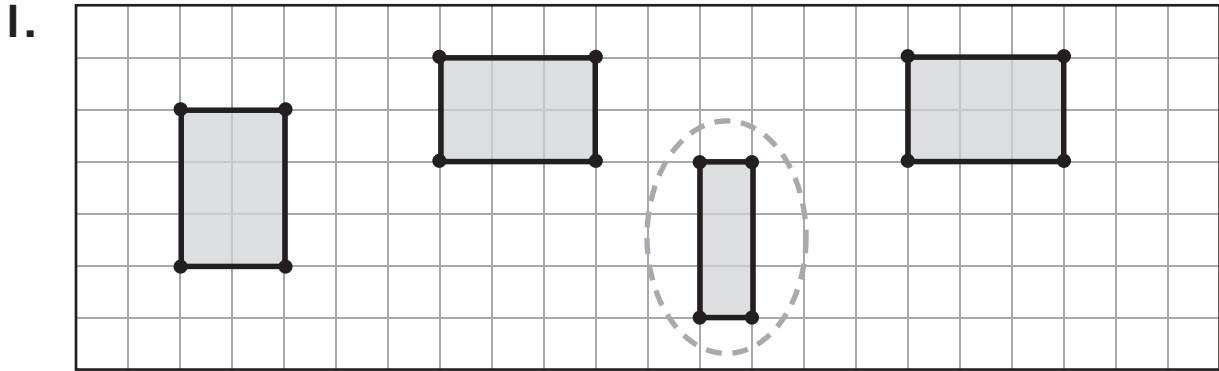**2.** Use the figures above to complete the table.

Figure	A	B	C	D	E	F
Number of ☐	18					

Finding Congruent Figures

Which figure does not have the same size and shape?

1.

2.

3.

Exploring Three-Dimensional Figures

sphere	cylinder
rectangular prism	cone

What is the shape of each object?

1.

sphere
_____

2.

_____

3.

_____

4.

_____

5.

Grape Juice

_____
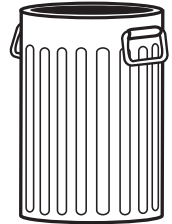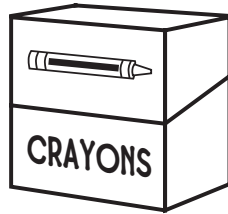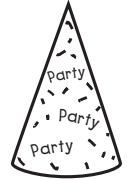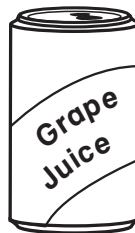
6.

_____
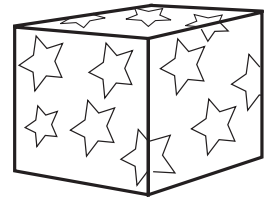
7. How are a cylinder and a sphere different?

_____

_____