

# A Different View

You need: isometric dot paper, multilink cubes, a classmate

**ACTIVITY ONE**

1. These solid objects are viewed from above and from the side:

Solids	a.	b.	c.	d.	e.	f.
<ul style="list-style-type: none"> <li>• cone</li> <li>• sphere</li> <li>• cylinder</li> <li>• half-cylinder</li> <li>• cube</li> <li>• square-based pyramid</li> </ul>						

Match each pair of views (a–f) with one of the solids in the list.

2. Make the 4 objects below from cubes and then match the numbered views with the correct direction (A–E). (Note that E is the view from above.)

a.

b.

c.

d.

Isometric dot paper

VIEWS

1 2 3 4

VIEWS

1 2 3 4

VIEWS

1 2 3 4

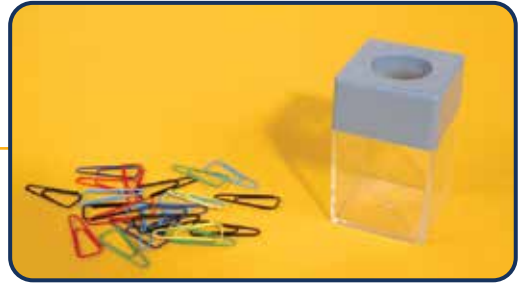
VIEWS

1 2 3 4

Square dot paper

**ACTIVITY TWO**

1. Tania keeps her paper clips in a magnetic cube.
  - a. Draw the side view of this container.
  - b. Draw the top view.
  - c. Draw a 3-dimensional view on isometric dot paper.
  
2. Tania is having an after-school snack.



Draw:

- a. a top view of the mug
- b. a side view of the mug with the handle on the right
- c. a side view of the mug with the handle at the front
- d. a 3-D view of the mug on isometric dot paper
- e. a top view of the sandwich
- f. a 3-D view of the sandwich
- g. a side view of the sandwich
- h. a top view of the jar of peanut butter.



3. Choose a simple object that is near you and that can be clearly seen by your classmate. Draw a top, side, or front view and ask your classmate to guess what it is. If they can't guess it, draw a second view.