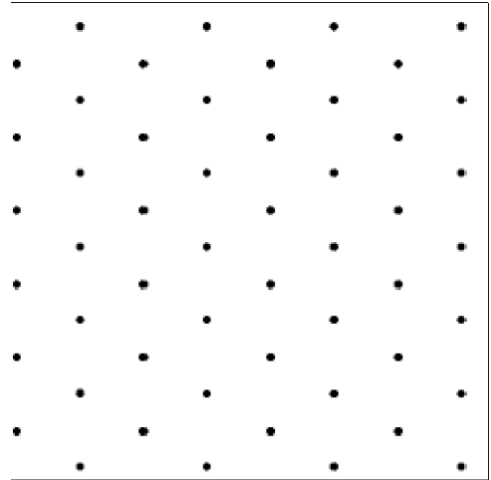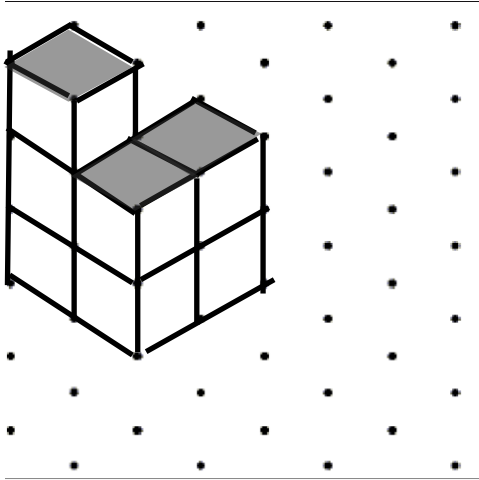NAME_____DATE_____PER._____

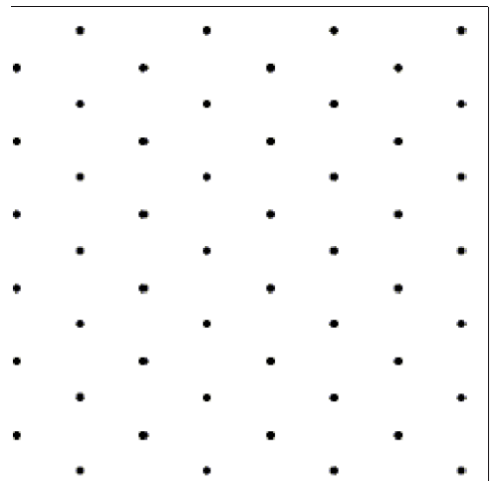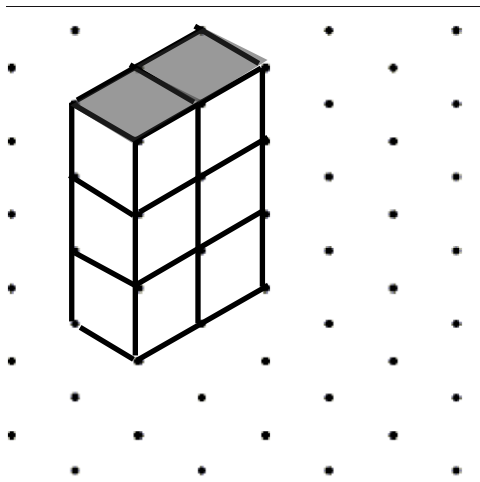## VIEWS OF 3-D OBJECTS

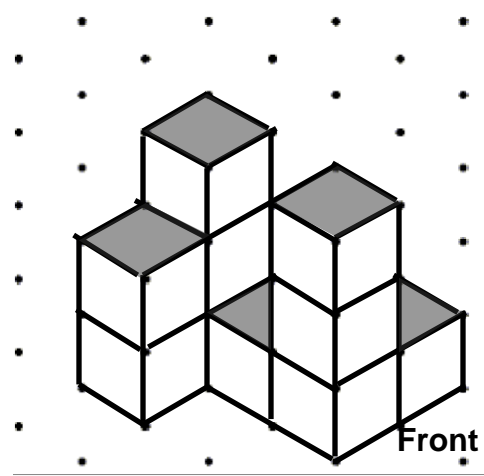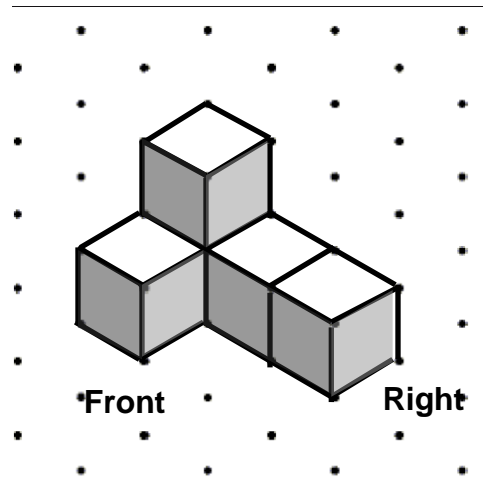**Copy each of the following isometric drawings.**

1.

2.

An isometric drawing is shown below, along with three orthogonal views. Write _front, top, or side_ in the blank provided to tell which perspective was used to create each orthogonal drawing.

Front

3.

_____

4.

_____

5.

_____

Given the isometric drawing below, draw the indicated orthogonal views.
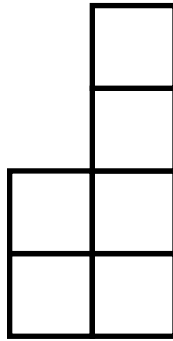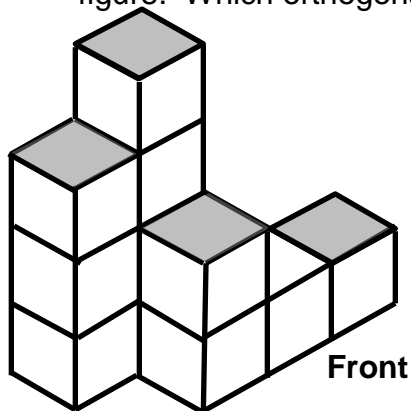

Front   Right

6. RIGHT SIDE VIEW:

7. FRONT VIEW:
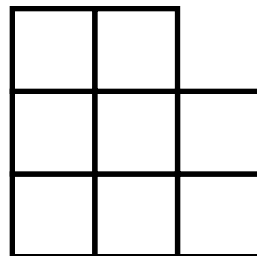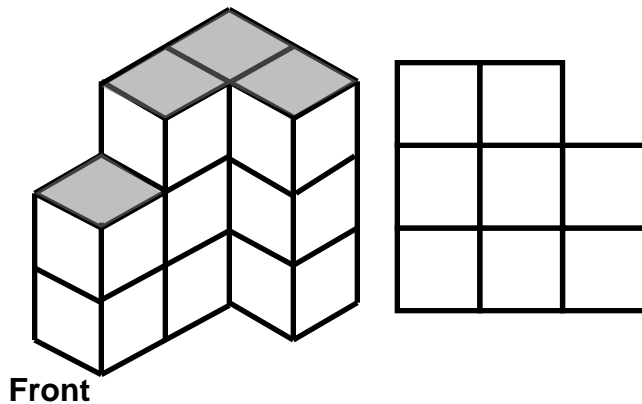
8. TOP VIEW:

9. LEFT SIDE VIEW:

PRACTICE
Find the correct answer for each of the following. Clearly circle your answer.

10. Shown below are an isometric drawing and an orthogonal view of a three-dimensional figure. Which orthogonal view is shown?

Front

A. Front view

B. Top view
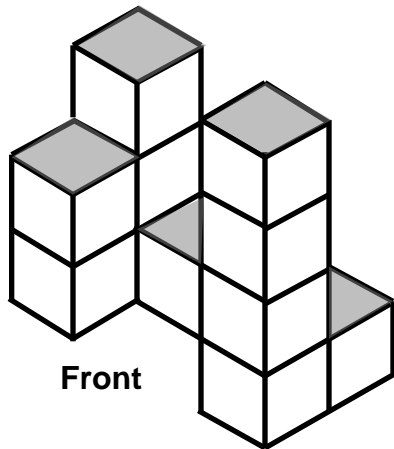
C. Left-side view

D. Right-side view

11. Shown below are an isometric view and an orthogonal view of a three-dimensional figure.

Front

What orthogonal view is shown?

A. Front view

B. Top view

C. Left-side view

D. Right-side view

12. How many squares would be shown in the right-side orthogonal view of the following figure?

Front

A. 6

B. 7

C. 9

D. 10

13. $\triangle KLM \cong \triangle RST$. $m\angle L = (3x + 15)°$ and $m\angle S = (6x + 3)°$. What is the $m\angle S$?

14. Classify the triangle by angles.

85°

60°

35°