

FACTS ABOUT RECTANGLES

penelope is a rectangle with height of 15, a width 5, and the color yellow.

maya is a rectangle with height of 8, a width 20, and the color red.

tobi is a rectangle with height of 10, a width 8, and the color green.

FACTS ABOUT ELLIPSES

Steve is a ellipse with a major radius of 4, minor radius of 3, and the color red.

ron is a ellipse with a major radius of 7, minor radius of 2, and the color green.

mike is a ellipse with a major radius of 3, minor radius of 4, and the color blue.

RULES FOR LISTING RECTANGLES AND ELLIPSES AND ALL SHAPES

if you sequentially, exhaustively, grab a rectangle and write its name then you will have written the names of all the rectangles.

if you sequentially, exhaustively, grab a ellipse and write its name then you will have written the names of all the ellipses.

if you sequentially, exhaustively, grab a shape and write its name then you will have written the names of all the shapes.

RULES FOR FINDING SHAPES

if an ellipse is red then its name represents a red shape.

if a rectangle is red then its name represents a red shape.

if an ellipse is green then its name represents a green shape.

if a rectangle is green then its name represents a green shape.

RULES FOR DETERMINING SHAPE SIZE

if the area for a shape is 100 or more then its name represents a large shape.

if the area for a shape is less than 100 then its name represents a small shape.

RULES FOR DETERMINING AREA OF SHAPE

If a rectangle has a height of H and a width of W which determines its area A then it is a shape of area A .

if an ellipse has a major radius $MR1$ and a minor radius $MR2$ which determines its area A then it's a shape of area A .