

Find the image using ray diagrams and the lens/mirror equation.

Assume each tick mark is 10 cm

$f = -10 \text{ cm}$ $d_o = 20$

Find d_i and M using the equation.



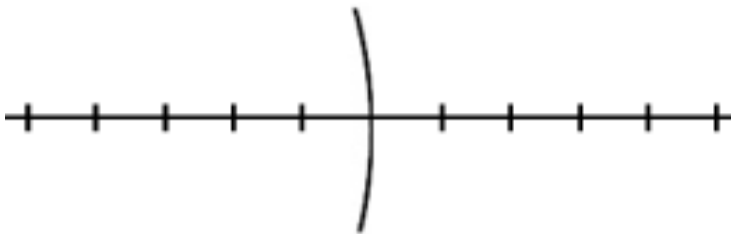
Flipped or Not Flipped

Larger or Smaller

Real or Virtual

$f = 10 \text{ cm}$ $d_o = 20 \text{ cm}$

Find d_i and M using the equation.



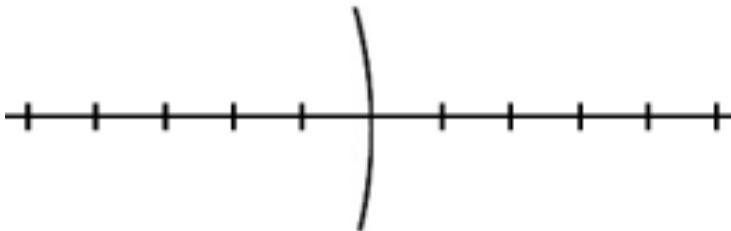
Flipped or Not Flipped

Larger or Smaller

Real or Virtual

$f = 10 \text{ cm}$ $d_o = 8 \text{ cm}$

Find d_i and M using the equation.



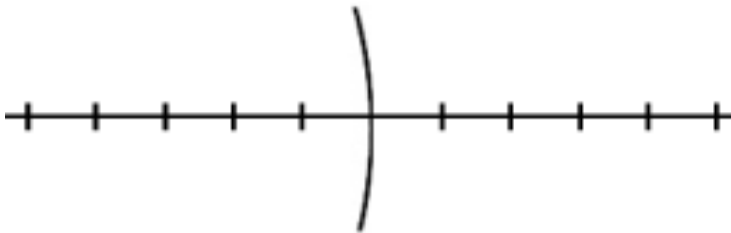
Flipped or Not Flipped

Larger or Smaller

Real or Virtual

$f = 10 \text{ cm}$ $d_o = 50 \text{ cm}$

Find d_i and M using the equation.



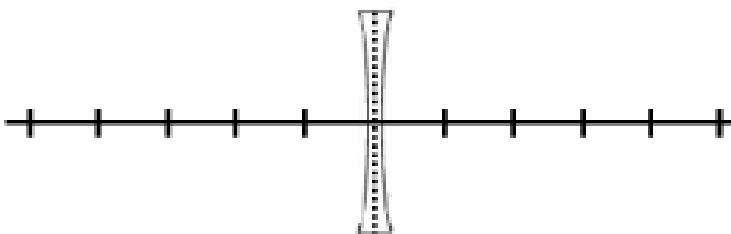
Flipped or Not Flipped

Larger or Smaller

Real or Virtual

$f = -10 \text{ cm}$ $d_o = 20$

Find d_i and M using the equation.

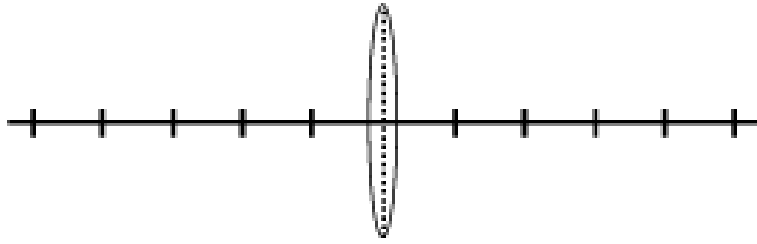


Flipped or Not Flipped

Larger or Smaller

Real or Virtual

$f = 10 \text{ cm}$ $d_o = 20 \text{ cm}$



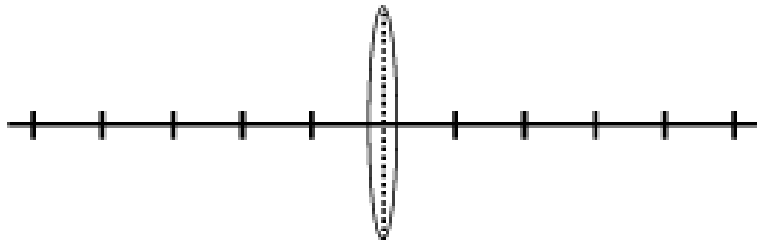
Flipped or Not Flipped

Larger or Smaller

Real or Virtual

Find d_i and M using the equation.

$f = 10 \text{ cm}$ $d_o = 8 \text{ cm}$



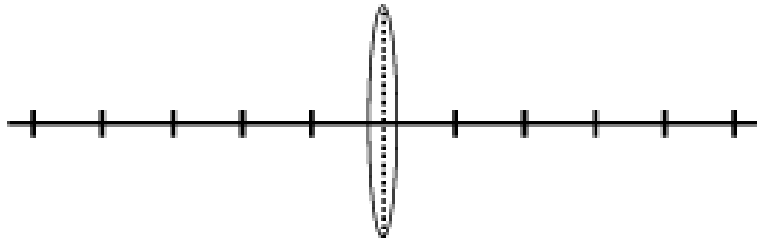
Flipped or Not Flipped

Larger or Smaller

Real or Virtual

Find d_i and M using the equation.

$f = 10 \text{ cm}$ $d_o = 50 \text{ cm}$



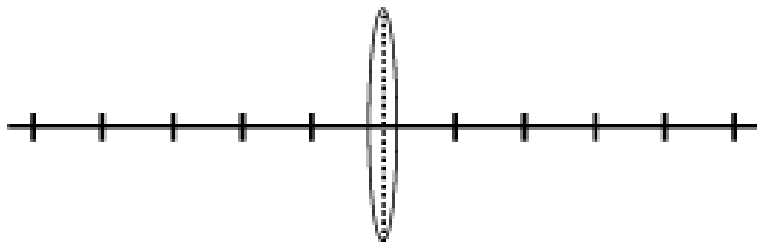
Flipped or Not Flipped

Larger or Smaller

Real or Virtual

Find d_i and M using the equation.

$f = 10 \text{ cm}$ $d_o = 10 \text{ cm}$



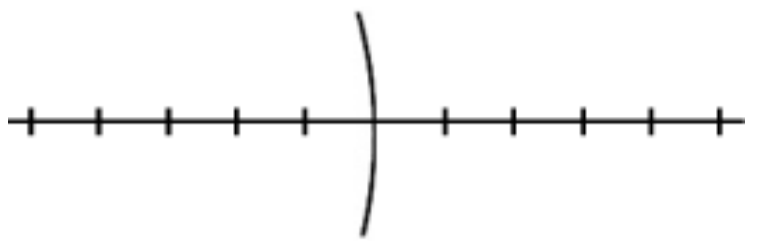
Flipped or Not Flipped

Larger or Smaller

Real or Virtual

Find d_i and M using the equation.

$f = 10 \text{ cm}$ $d_o = 10 \text{ cm}$



Flipped or Not Flipped

Larger or Smaller

Real or Virtual

Find d_i and M using the equation.

Define a normal.

What lenses and what mirrors are similar?