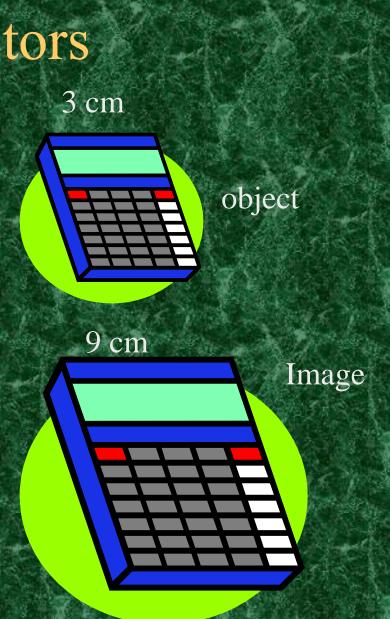
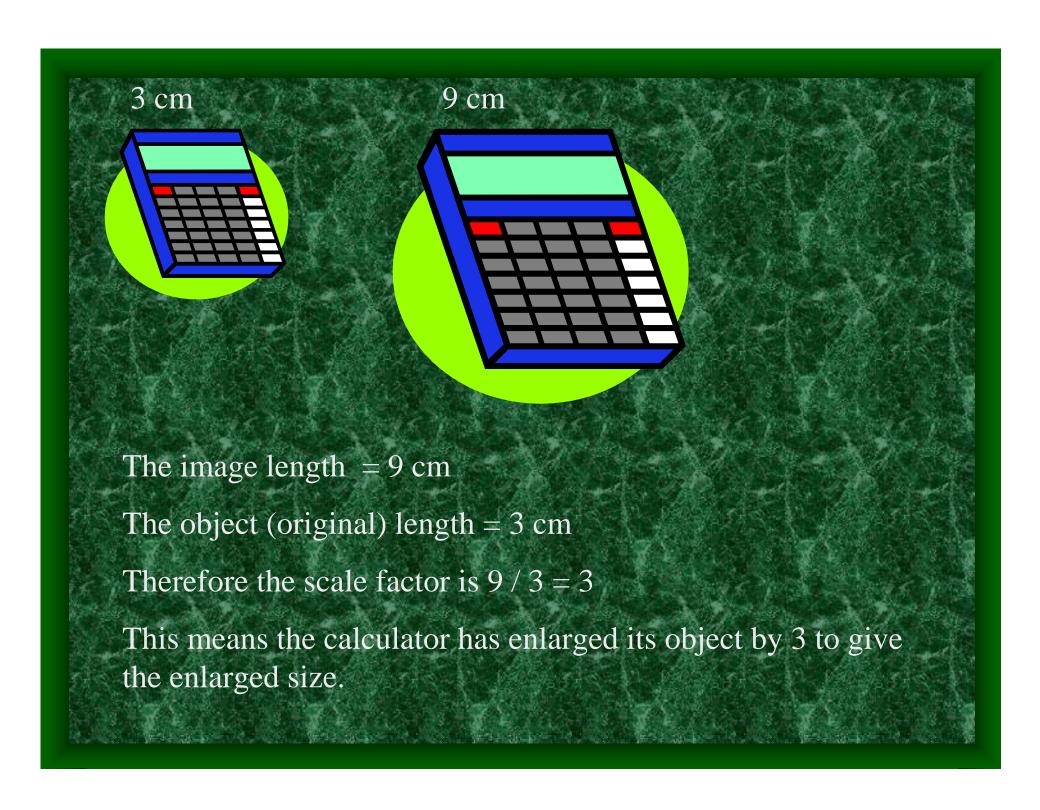
ENLARGEMENT Scale factors Centre of enlargement

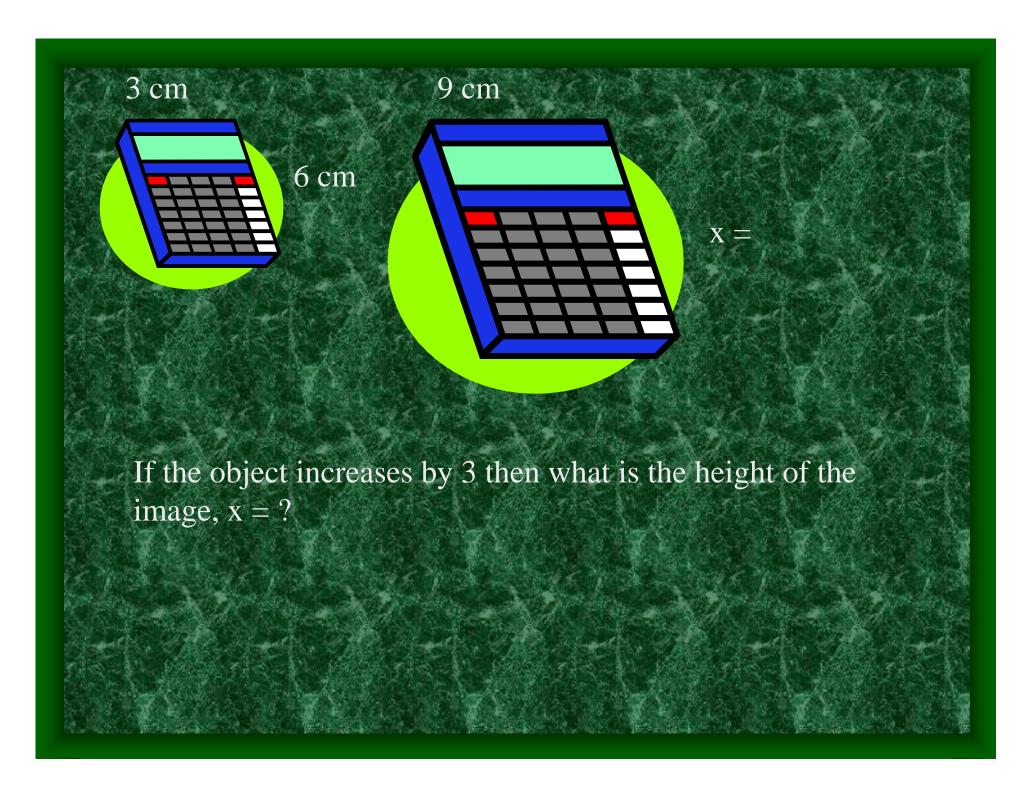
Scale factors

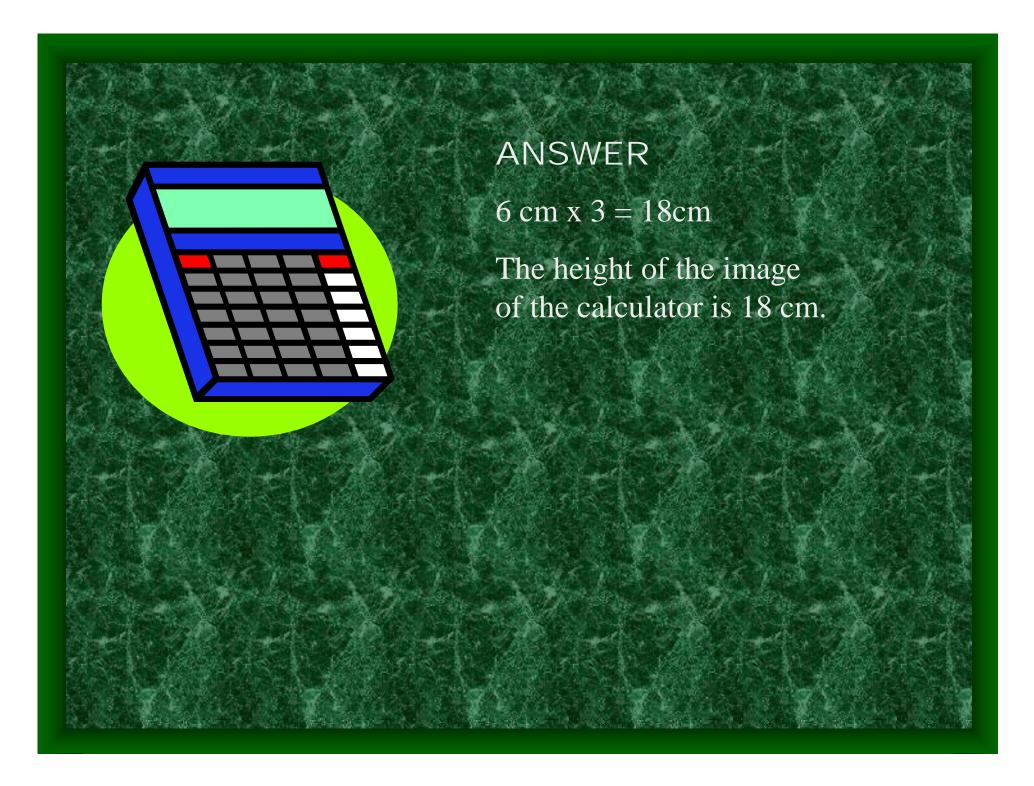
 Indicates how much to enlarge or reduce the original.

• Formula = image length divided by object length.





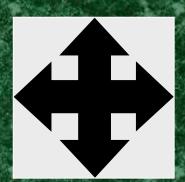




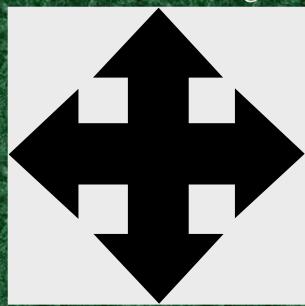
Example 2

Object

4 cm



Image



The scale factor = 20 / 4 = 5

The image enlargement is five times the object (original).

20 cm

Negative Scale factors

• This is when the scale factor is less than 0

• The image is on the opposite side of the centre of enlargement

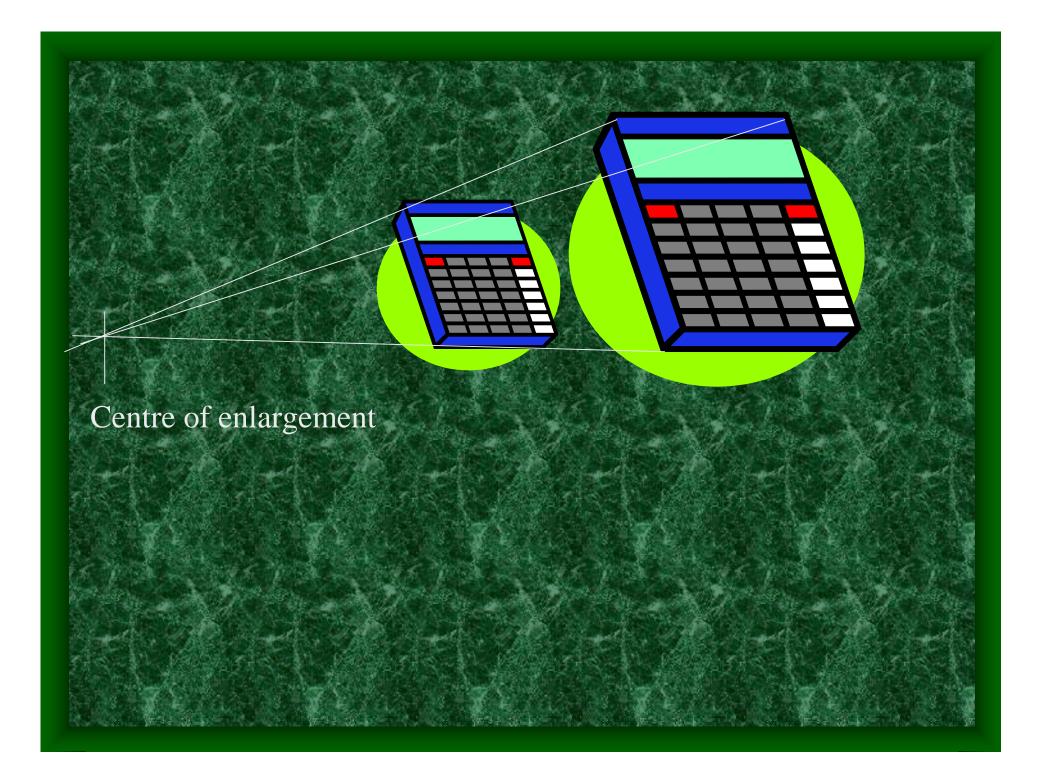
• The distances from the centre are measured in the opposite direction

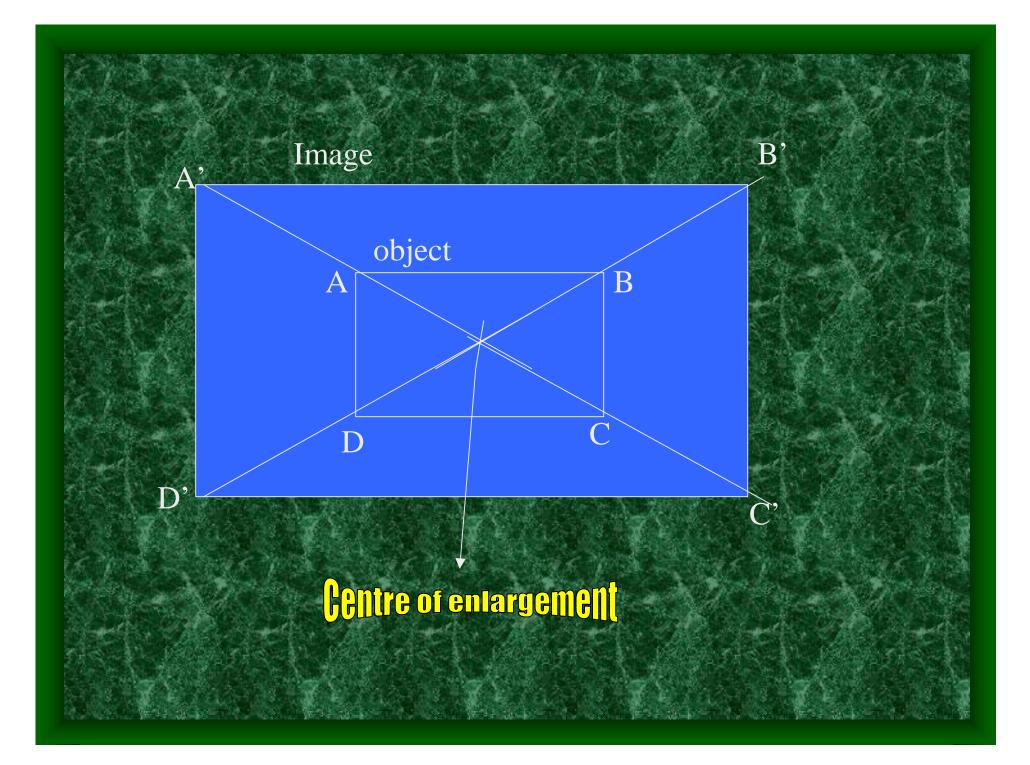
Q: Enlarge ABC, centre O, scale factor -2 2cm 4 cm B

Centre of enlargement

• Connects the image and the object (original).

• If you connect both points it will enlarge about a central focus, called the centre of enlargement.







THE END

