

# Enlargement

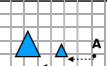
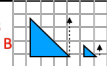
## Animated PPSX

<p><b>Transformation</b></p> <p>is a process that changes the position, shape or viewing angle of any shape.</p> <ul style="list-style-type: none"> <li>position</li> <li>shape</li> <li>viewing angle</li> </ul>	<p><b>Types of Transformation</b></p> <p>translation rotation reflection enlargement</p>	<p><b>Enlargement</b></p> <p>Making a shape bigger</p> <p>Scale factor (how much bigger the shape should become)</p> <p>Scale factor 3</p>	<p><b>Enlargement</b></p> <p>Making a shape bigger</p> <p>Scale factor (how much bigger the shape should become)</p> <p>Scale factor 2</p>	<p><b>Enlargement</b></p> <p>Centre of enlargement (point from which the shape becomes bigger)</p> <p>Scale factor 2</p>
<p><b>Enlargement</b></p> <p>Centre of enlargement (point from which the shape becomes bigger)</p> <p>Scale factor 3</p>	<p><b>Is this enlargement?</b></p>	<p><b>Is this enlargement?</b></p>	<p><b>Find the scale factor</b></p> <p>Scale factor <math>6:2=3</math></p>	<p><b>Find the scale factor</b></p> <p>Scale factor <math>2:1=2</math></p>


# Enlargement

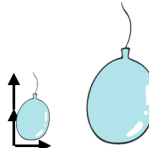
Class \_\_\_\_\_ Name \_\_\_\_\_ Date \_\_\_\_\_

**Enlargement**

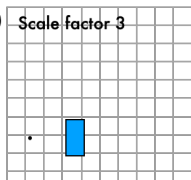
s.f. 2 about A  s.f. 3 about B 

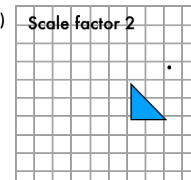
1. Use a ruler and find the scale factor for the given enlargement.

a)  Scale factor \_\_\_\_\_

b)  Scale factor \_\_\_\_\_

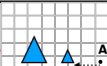
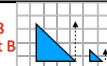
2. Enlarge each shape to the given scale factor. Pay attention to the enlargement centre.

a) Scale factor 3 


b) Scale factor 2 

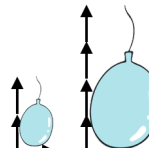
Class \_\_\_\_\_ Name \_\_\_\_\_ Date \_\_\_\_\_

**Enlargement**

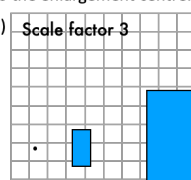
s.f. 2 about A  s.f. 3 about B 

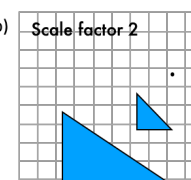
1. Use a ruler and find the scale factor for the given enlargement.

a)  Scale factor \_\_\_\_\_

b)  Scale factor \_\_\_\_\_

2. Enlarge each shape to the given scale factor. Pay attention to the enlargement centre.

a) Scale factor 3 

b) Scale factor 2 

PDF worksheet with keys



# Enlargement

**Enlargement**

Enlarge each shape in the corresponding centre by the given scale factor to reveal a picture.  
The shapes should not overlap but their edges might meet.

s.f. 2 about A    s.f. 2 about I  
s.f. 2 about B    s.f. 2 about C  
s.f. 2 about E    s.f. 2 about H  
s.f. 2 about D    s.f. 2 about F  
s.f. 3 about F

**Enlargement**

Enlarge each shape in the corresponding centre by the given scale factor to reveal a picture.  
The shapes should not overlap but their edges might meet.

s.f. 2 about A    s.f. 2 about I  
s.f. 2 about B    s.f. 2 about C  
s.f. 2 about E    s.f. 2 about H  
s.f. 2 about D    s.f. 2 about F  
s.f. 2 about G

**Enlargement**

Enlarge each shape in the corresponding centre by the given scale factor to reveal a picture.  
The shapes should not overlap but their edges might meet.

s.f. 2 about A    s.f. 2 about I  
s.f. 2 about B    s.f. 2 about C  
s.f. 2 about E    s.f. 2 about H  
s.f. 2 about D    s.f. 2 about F  
s.f. 3 about F    s.f. 2 about G

PDF + Reveal the picture + Keys

