



**THIRD SPACE
LEARNING**

Scale Factor Worksheet

Geometry

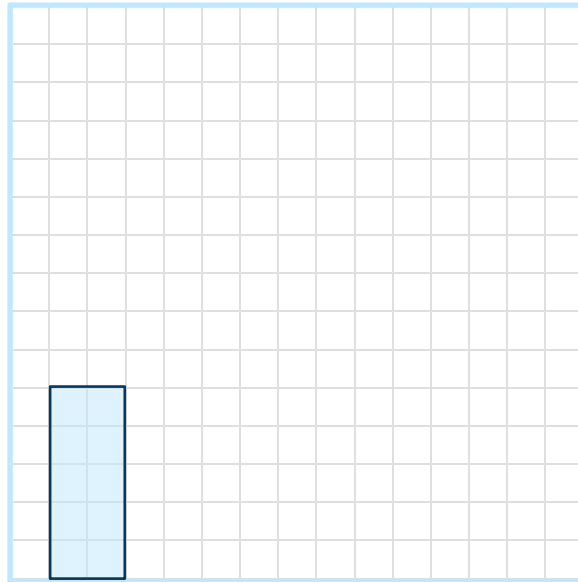
Grades 6 to 8

Questions

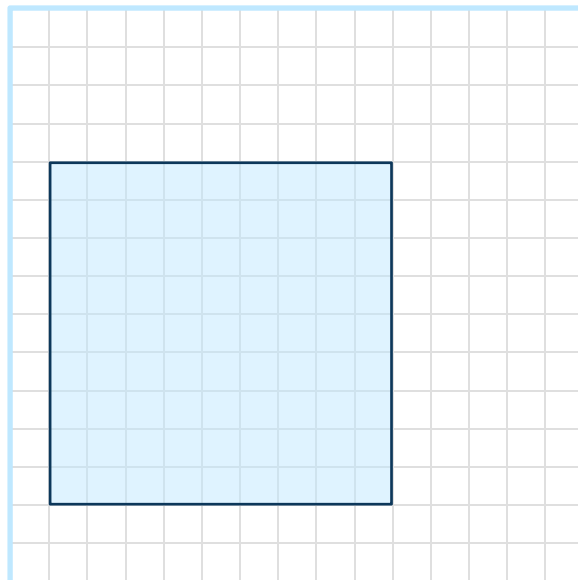
Name:

Date:

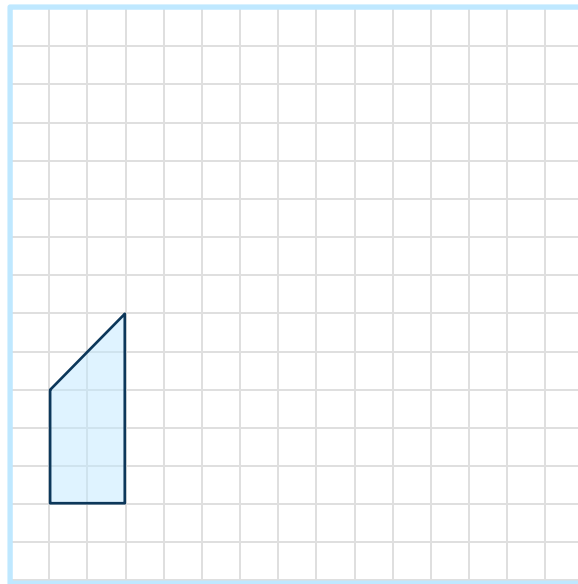
- 1 Enlarge this rectangle by a scale factor of 3.



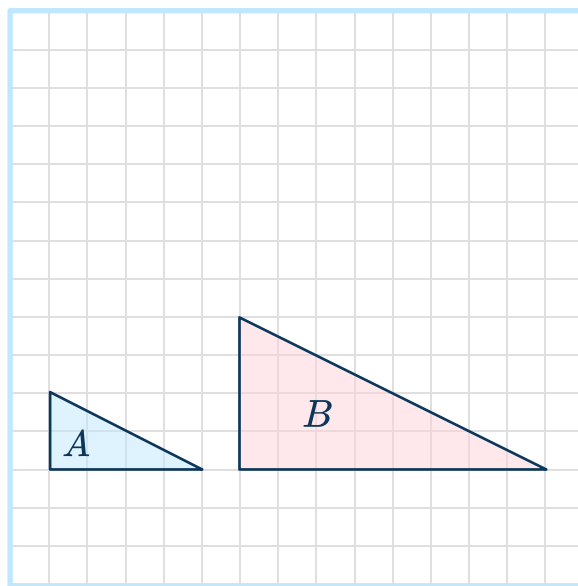
- 2 Draw this square with a scale factor of $\frac{1}{3}$.



- 3 Enlarge this irregular quadrilateral by a scale factor of 2.



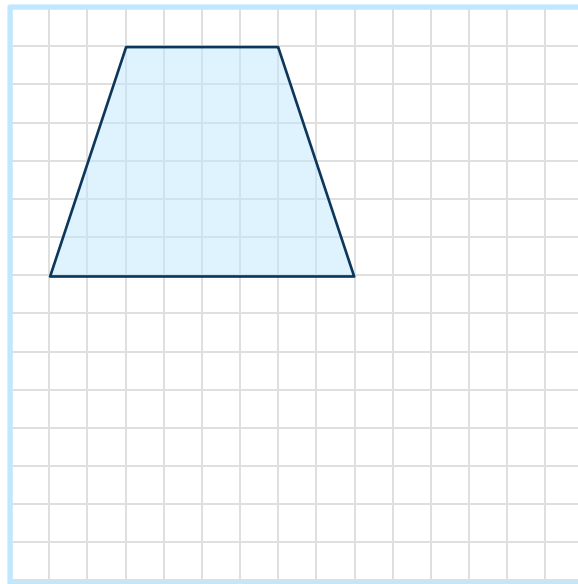
- 4 Calculate the scale factor from Triangle A to Triangle B.



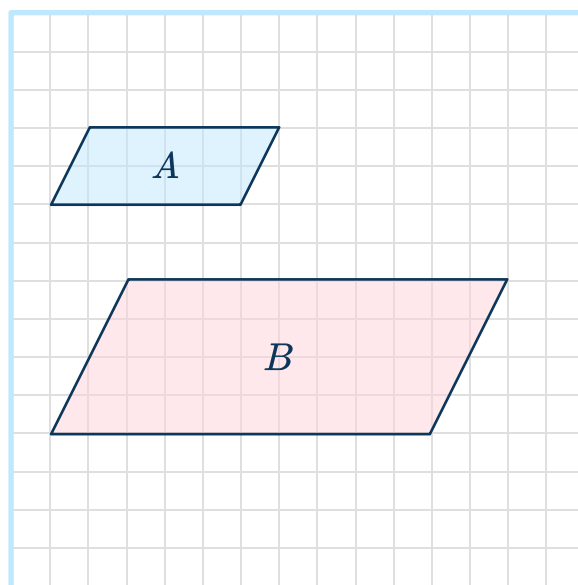
Answer

Scale Factor Worksheet | Grades 6 to 8

- 5 Shrink this trapezoid by a scale factor of $\frac{1}{2}$.

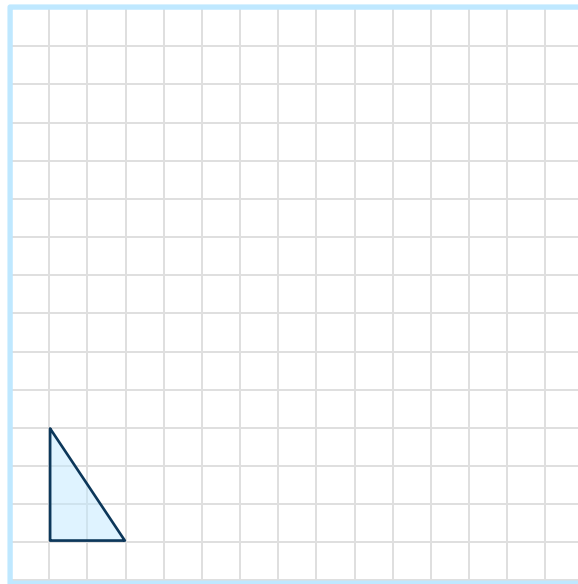


- 6 Calculate the scale factor from Shape A to Shape B.

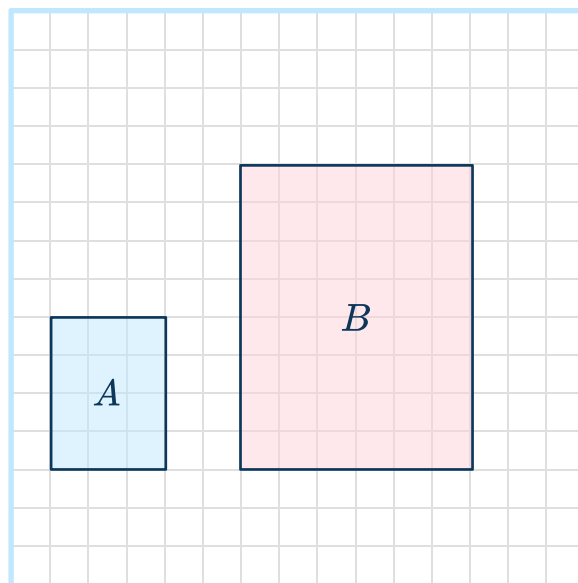


Answer

- 7 Enlarge this triangle by a scale factor of 4.

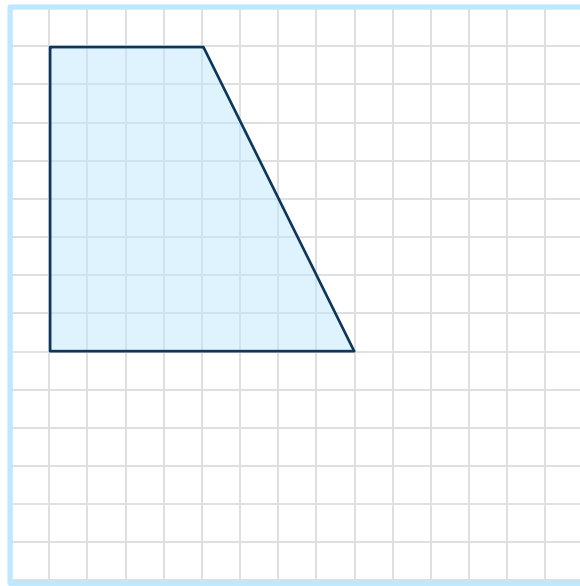


- 8 Calculate the scale factor from Rectangle A to Rectangle B.

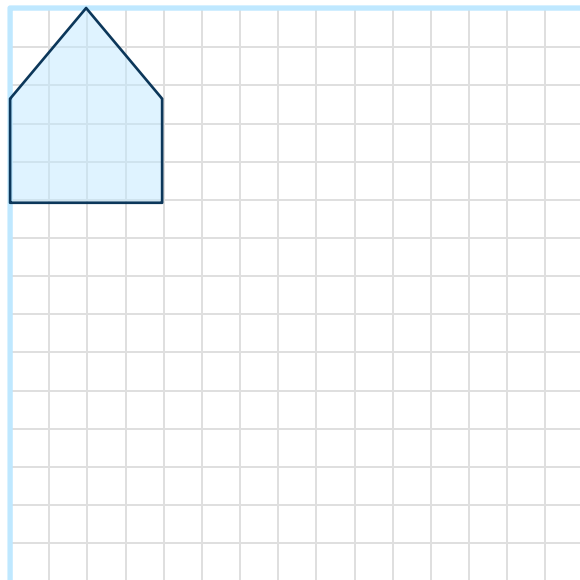


Answer

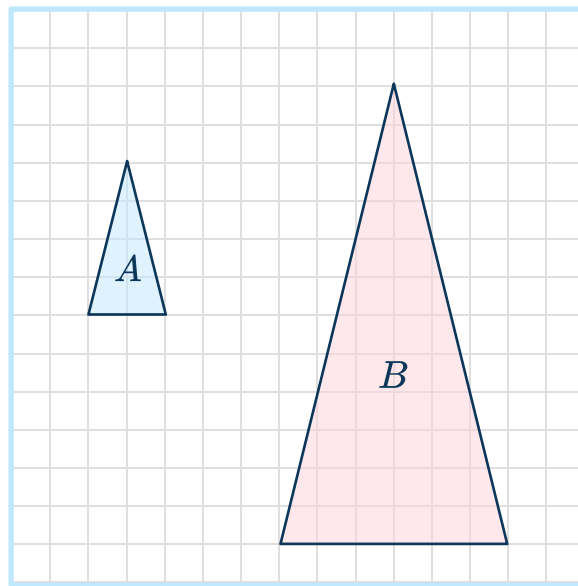
- 9 Draw this irregular quadrilateral with a scale factor of $\frac{1}{4}$.



-
- 10 Enlarge this pentagon by a scale factor of 3.

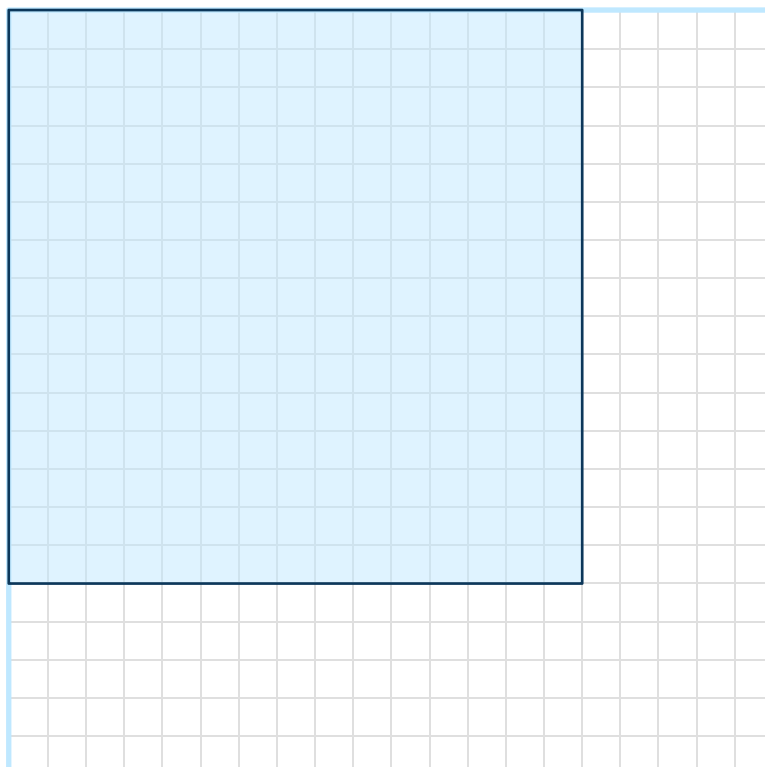


- 11 Calculate the scale factor from Shape A to Shape B.

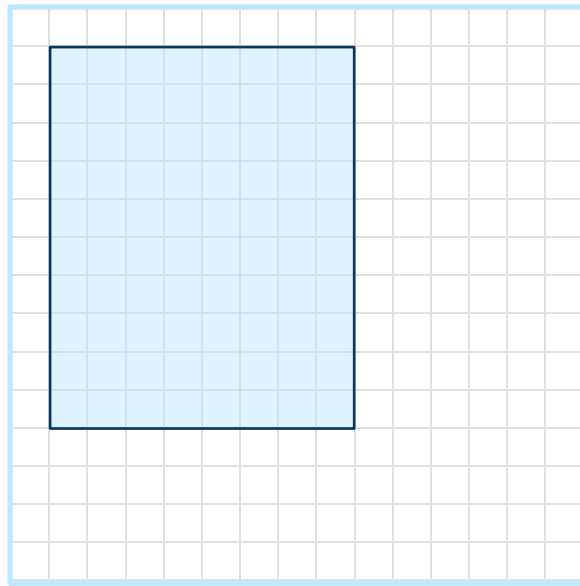


Answer

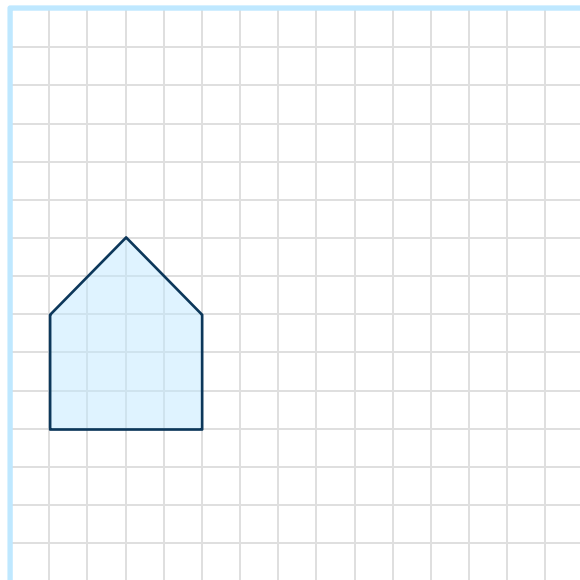
- 12 Shrink this square by a scale factor of $\frac{1}{5}$.



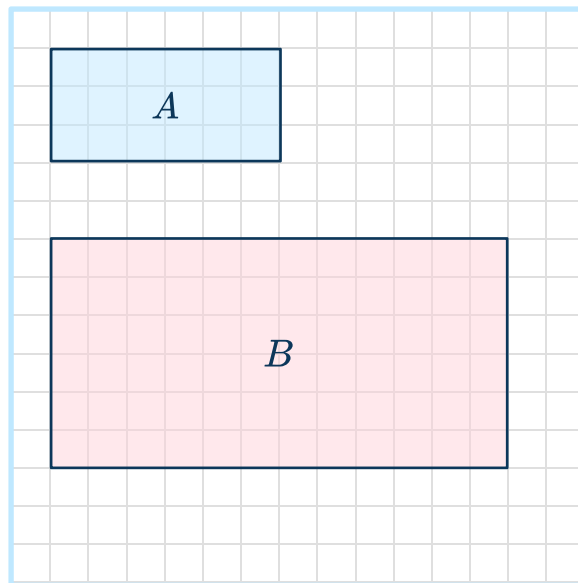
- 13 Draw this rectangle with a scale factor of $\frac{1}{2}$.



-
- 14 Enlarge this pentagon by a scale factor of 2.

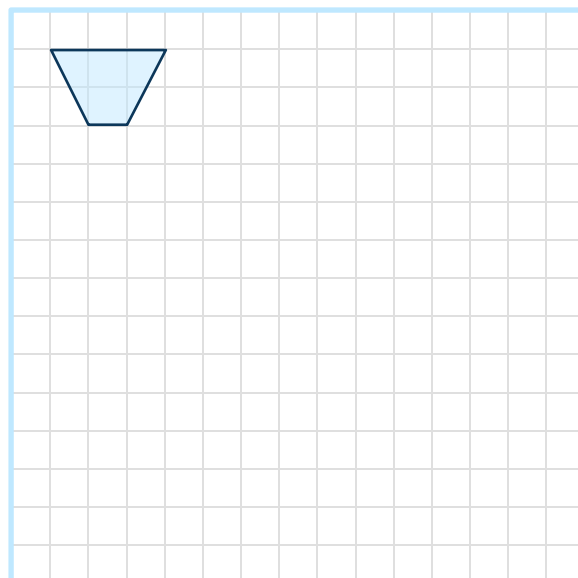


- 15 Calculate the scale factor from Shape A to Shape B.

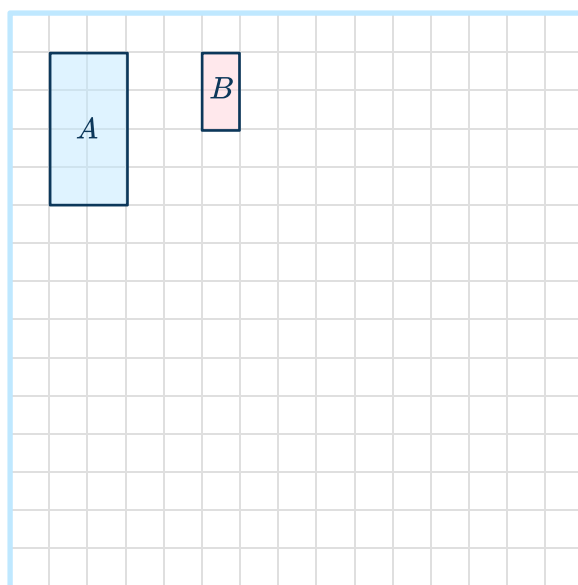


Answer

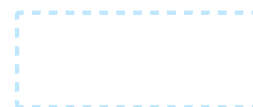
- 16 Enlarge this trapezoid by a scale factor of 5.



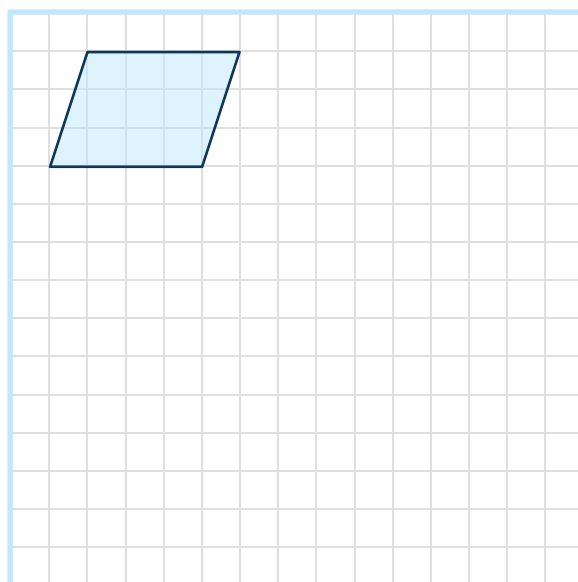
- 17 Calculate the scale factor for the preimage to image of Shape A to Shape B.



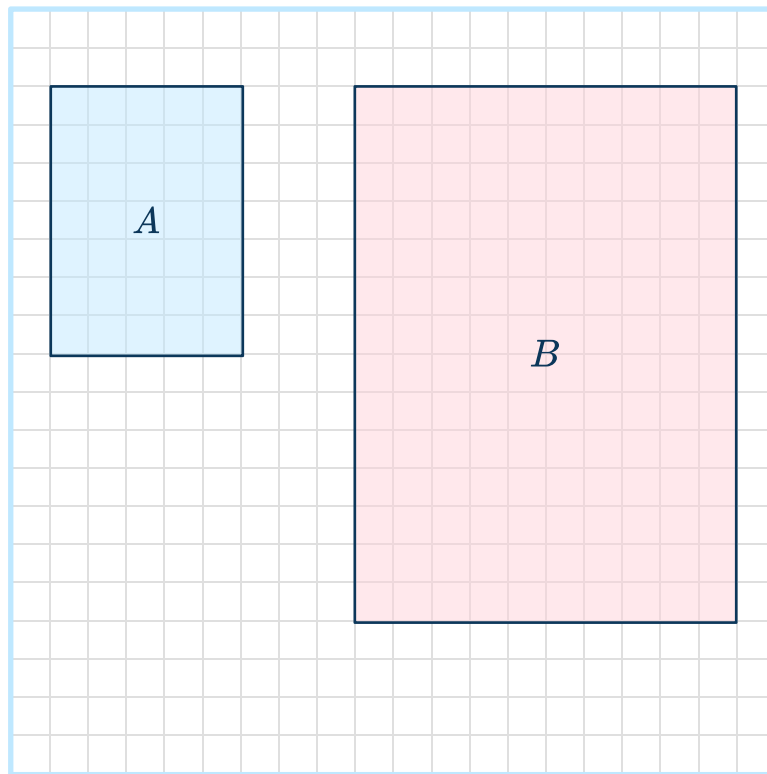
Answer



- 18 Draw this parallelogram with a scale factor of 2.

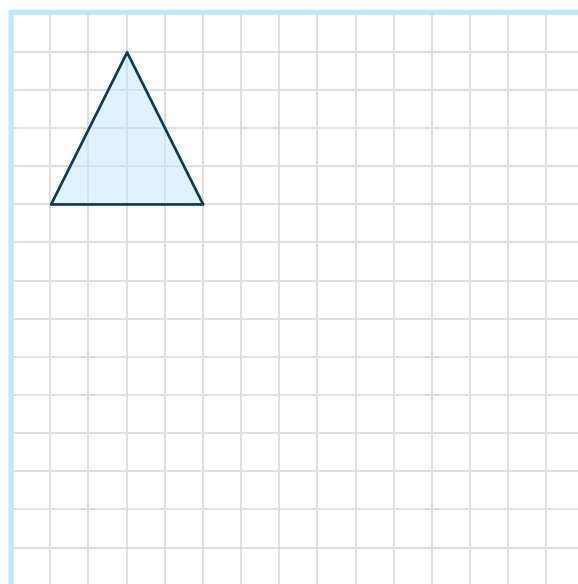


- 19 Calculate the scale factor from Shape A to Shape B.

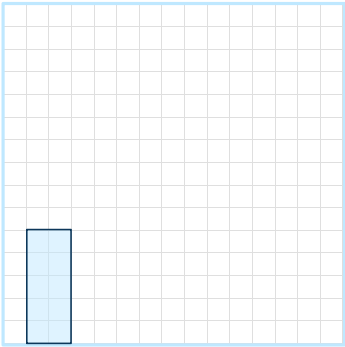
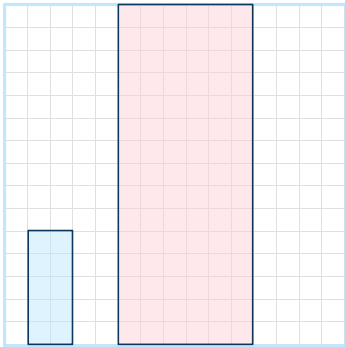
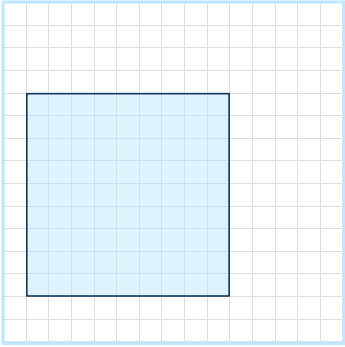
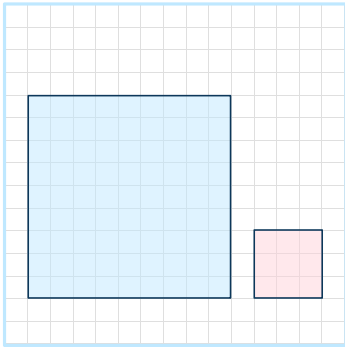
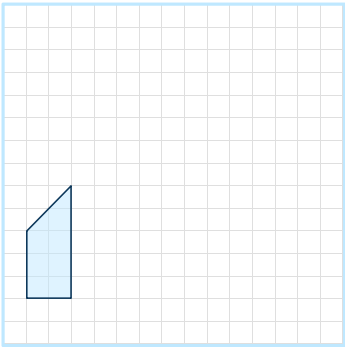
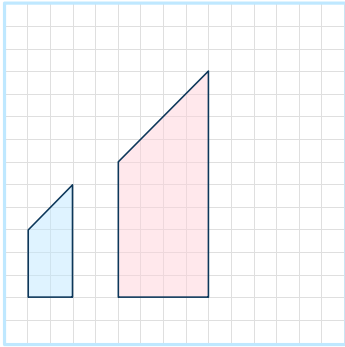


Answer

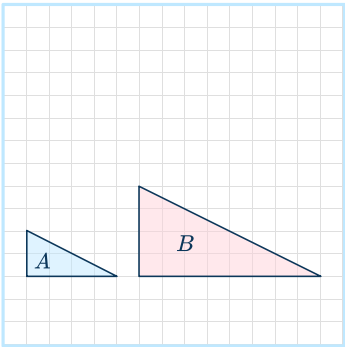
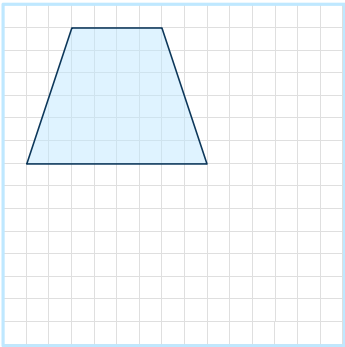
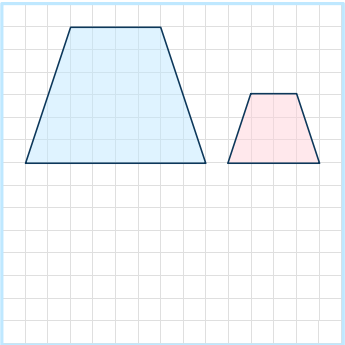
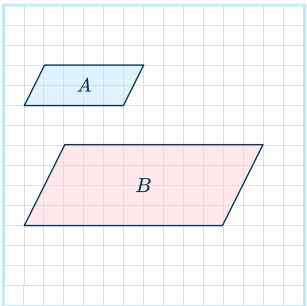
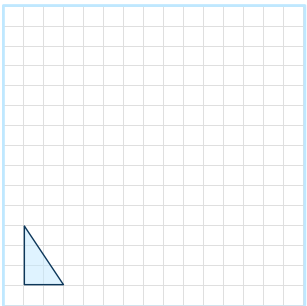
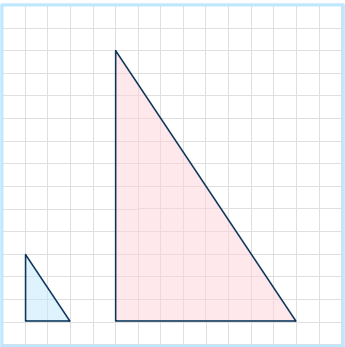
- 20 Enlarge this triangle by a scale factor of 1.5.



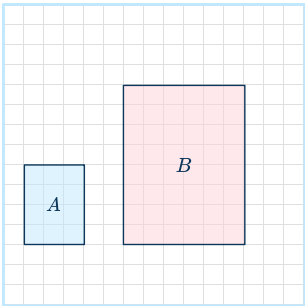
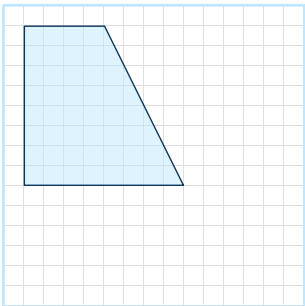
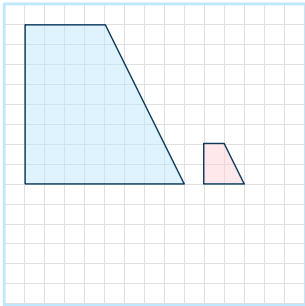
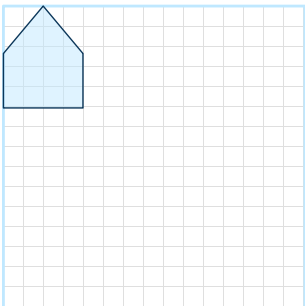
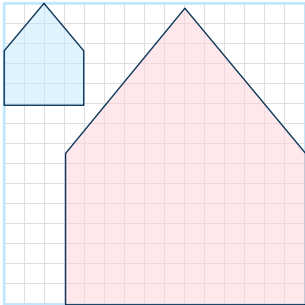
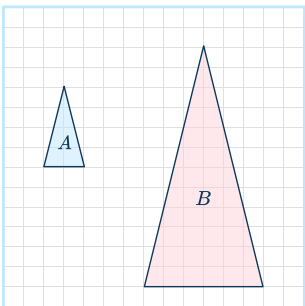
Answers

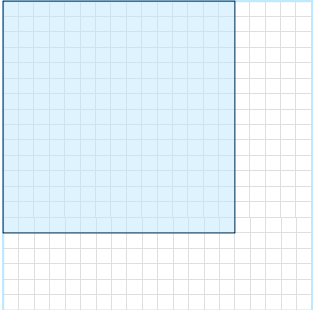
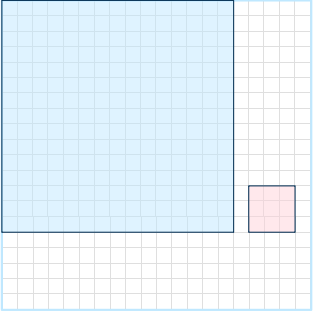
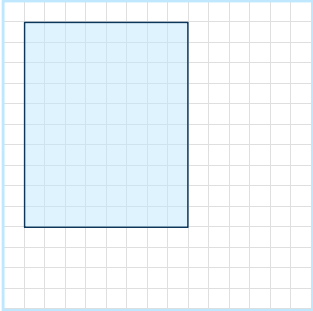
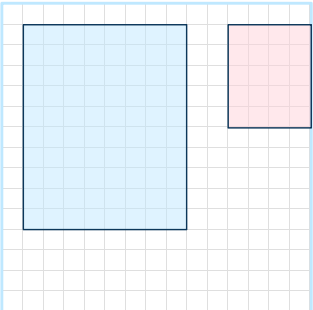
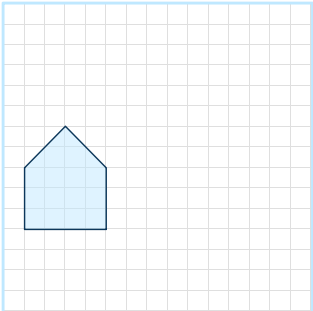
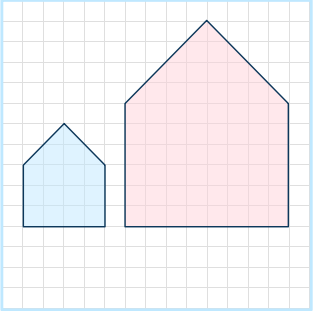
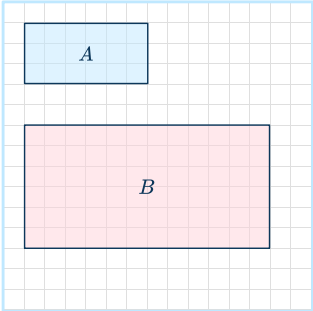
| Question number | Question | Answers | Standard |
|-----------------|--|--|----------|
| 1 | <p>Enlarge this rectangle by a scale factor of 3.</p>  |  | 7.G.A.1 |
| 2 | <p>Draw this square with a scale factor of $\frac{1}{3}$.</p>  |  | 7.G.A.1 |
| 3 | <p>Enlarge this irregular quadrilateral by a scale factor of 2.</p>  |  | 7.G.A.1 |

Scale Factor Worksheet | Grades 6 to 8 | Answers

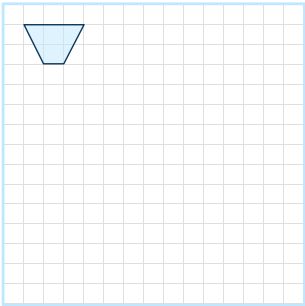
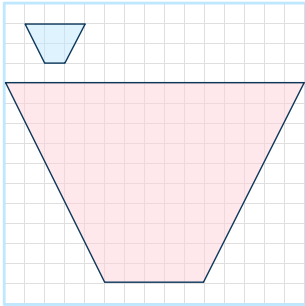
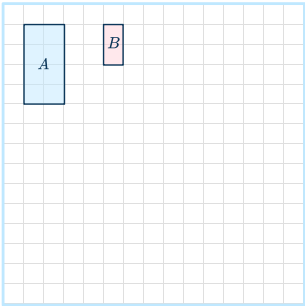
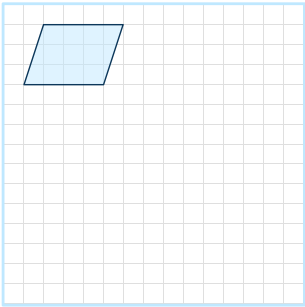
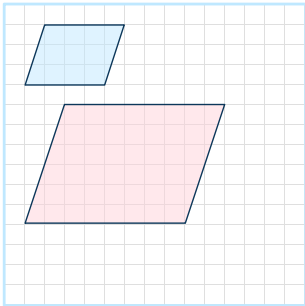
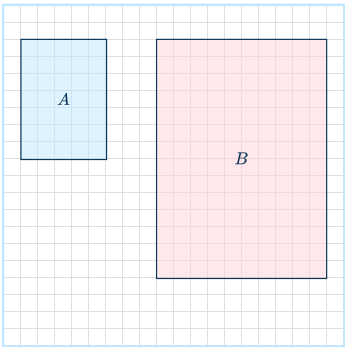
| Question number | Question | Answers | Standard |
|-----------------|--|--|----------|
| 4 | <p>Calculate the scale factor from Triangle A to Triangle B.</p>  | Scale factor of 2 | 7.G.A.1 |
| 5 | <p>Shrink this trapezoid by a scale factor of $\frac{1}{2}$.</p>  |  | 7.G.A.1 |
| 6 | <p>Calculate the scale factor from Shape A to Shape B.</p>  | Scale factor of 2 | 7.G.A.1 |
| 7 | <p>Enlarge this triangle by a scale factor of 4.</p>  |  | 7.G.A.1 |

Scale Factor Worksheet | Grades 6 to 8 | Answers

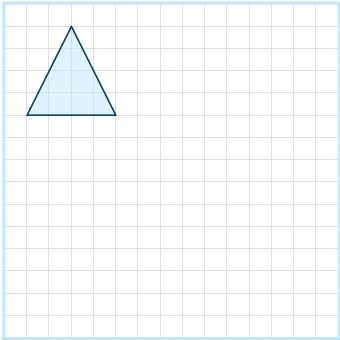
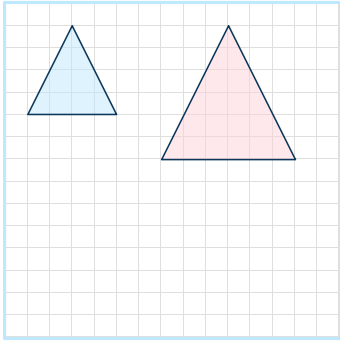
| Question number | Question | Answers | Standard |
|-----------------|--|--|----------|
| 8 | <p>Calculate the scale factor from Triangle A to Triangle B.</p>  | Scale factor of 2 | 7.G.A.1 |
| 9 | <p>Draw this irregular quadrilateral with a scale factor of $\frac{1}{4}$.</p>  |  | 7.G.A.1 |
| 10 | <p>Enlarge this pentagon by a scale factor of 3.</p>  |  | 7.G.A.1 |
| 11 | <p>Calculate the scale factor from Shape A to Shape B.</p>  | Scale factor of 3 | 7.G.A.1 |

| Question number | Question | Answers | Standard |
|-----------------|--|--|----------|
| 12 | <p>Shrink this square by a scale factor of $\frac{1}{5}$.</p>  |  | 7.G.A.1 |
| 13 | <p>Draw this rectangle with a scale factor of $\frac{1}{2}$.</p>  |  | 7.G.A.1 |
| 14 | <p>Enlarge this pentagon by a scale factor of 2.</p>  |  | 7.G.A.1 |
| 15 | <p>Calculate the scale factor from Shape A to Shape B.</p>  | Scale factor of 2 | 7.G.A.1 |

Scale Factor Worksheet | Grades 6 to 8 | Answers

| Question number | Question | Answers | Standard |
|-----------------|---|--|----------|
| 16 | <p>Enlarge this trapezoid by a scale factor of 5.</p>  |  | 7.G.A.1 |
| 17 | <p>Calculate the scale factor for the preimage to image of Shape A to Shape B.</p>  | Scale factor of $\frac{1}{2}$ | 7.G.A.1 |
| 18 | <p>Draw this parallelogram with a scale factor of 2.</p>  |  | 7.G.A.1 |
| 19 | <p>Calculate the scale factor from Shape A to Shape B.</p>  | Scale factor of 2 | 7.G.A.1 |

Scale Factor Worksheet | Grades 6 to 8 | Answers




| Question number | Question | Answers | Standard |
|-----------------|---|---|----------|
| 20 | <div>Enlarge this triangle by a scale factor of 1.5.</div> <div></div> | <div></div> | 7.G.A.1 |

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