

Areas



21 Boom cards

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PARALLELOGRAMS

In this series of BOOM cards, the student must calculate the total area of the yellow shaded area of each parallelogram.

The cards start out simple but become progressively more challenging, with ever increasing sizes of parallelograms.

The first card illustrates the formula for calculating the area of a parallelogram. This deck contains 20 question cards, each of which depicts a unique parallelogram in various orientations for which the student must calculate the total area.

Decks in this series:

- Areas: RECTANGLES (64 question cards)
- Areas: RIGHT TRIANGLES (20 question cards)
- Areas: TRIANGLES (20 question cards)
- Areas: PARALLELOGRAMS (20 question cards)
- Areas: TRAPEZOIDS (20 question cards)
- Areas: CIRCLES (20 question cards)
- Areas: ELLIPSES (20 question cards)
- Areas: COMPLEX SHAPES (22 question cards)

Area of a Parallelogram

What's the area of a parallelogram with base width b and perpendicular height h ?

Split the parallelogram into a rectangle and 2 equal sized right-angle triangles at the ends.

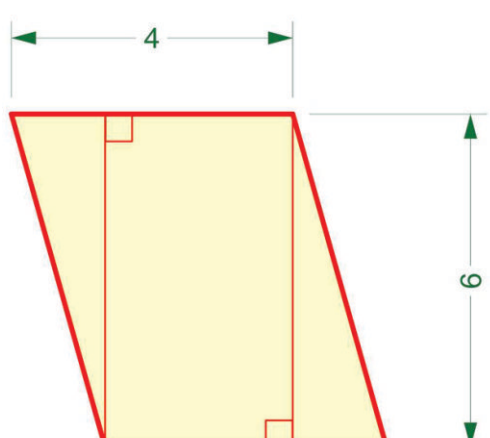
Rearrange the triangles and rectangle to make one big rectangle - which is the exact same area of the original parallelogram

Area of rectangle = $b \times h$

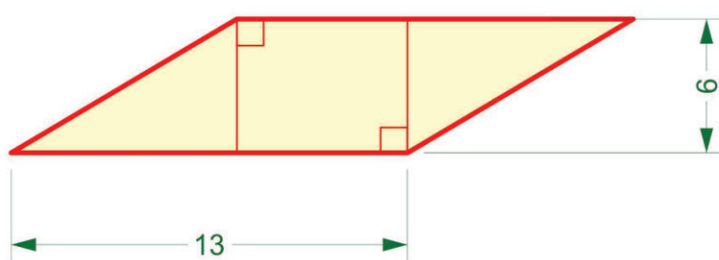
Therefore, area of parallelogram = $b \times h$

<https://www.bouncelearning.com/author/bouncelearningkids>

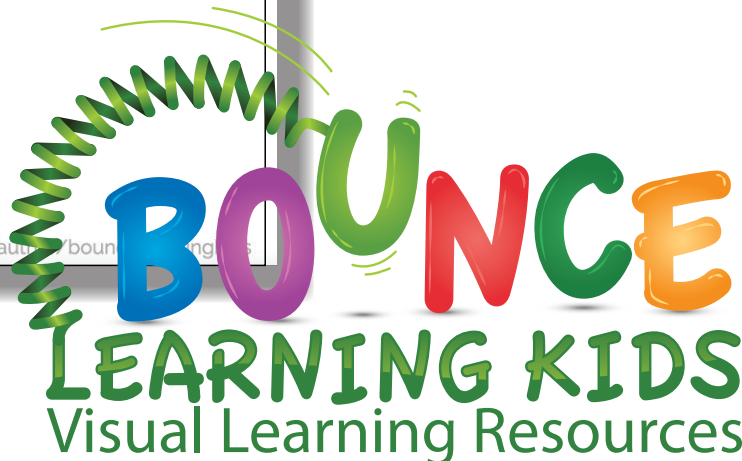
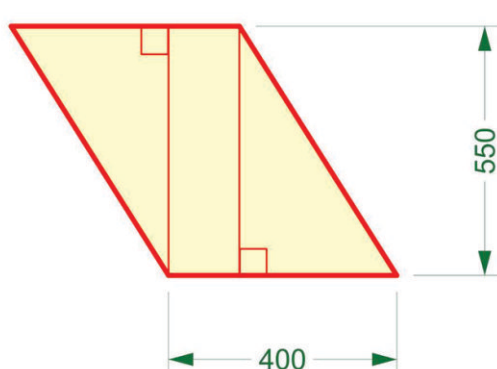
What is the total area of the yellow shaded area in square units (correct to **one** decimal place)?



What is the total area of the yellow shaded area in square units (correct to **one** decimal place)?



What is the total area of the yellow shaded area in square units (correct to **one** decimal place)?



You may be eligible for a free trial from Boom Learning. Read [here](#) for details: <http://bit.ly/BoomTrial>. If you choose not to stay on a premium account after your free trial, you will still be able to assign all your Boom Cards to as many students as you see fit using Fast Play pins (which give instant feedback for decks that are self-grading).