Areas

21 Boom cards

Click HERE for a playable preview

TRIANGLES

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

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

The first card illustrates the formula for calculating the area of a triangle. This decks contains 20 question cards, each of which depicts a unique triangle 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 Triangle

What is the area of a triangle with perpendicular height h and base width b?

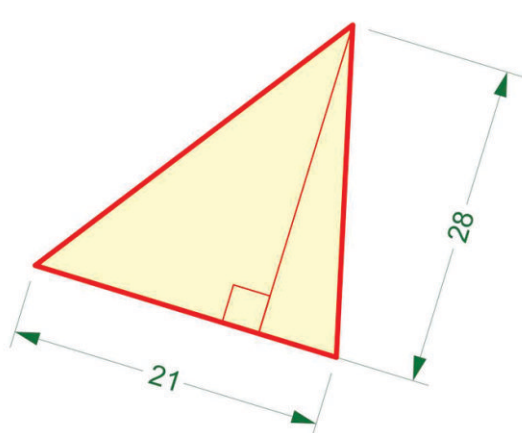Flipping the triangle over makes a parallelogram that's exactly twice the area.

The parallelogram can be split into 4 smaller right-angle triangles.
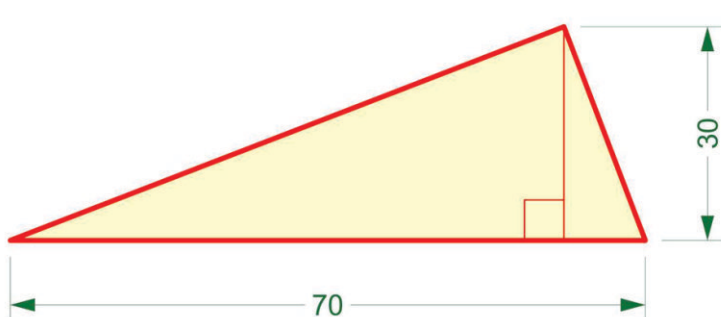
Rearrange the triangles to make a rectangle.
...a of rectangle = b x h = twice the area of ... original triangle.
...refore, area of triangle = 1/2 x b x h
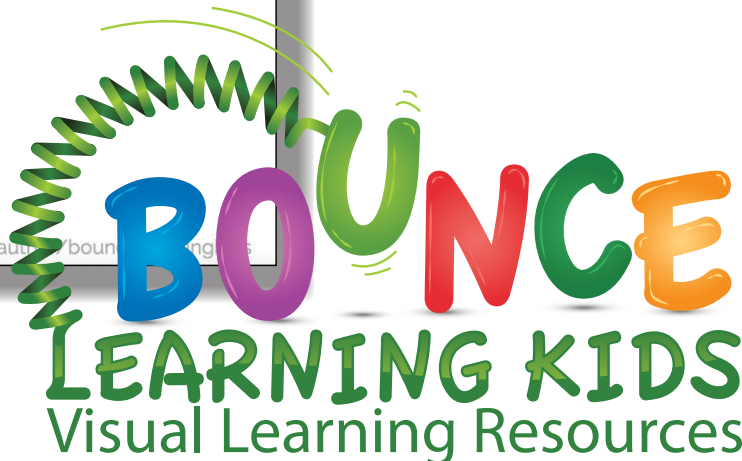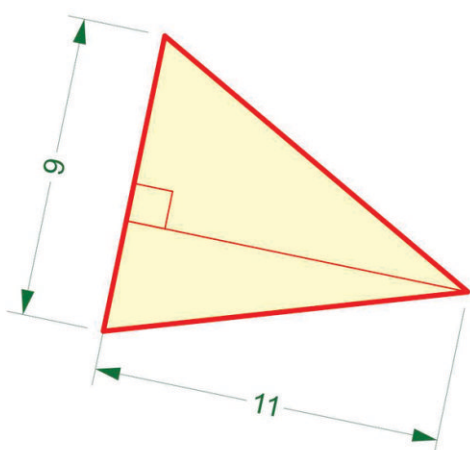...learning.com/author/bouncelearningkids

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

28

21

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

30

70

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

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9

11

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Visual Learning Resources