

Areas



21 Boom cards

Click [HERE](#) for a playable preview

ELLIPSES

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

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

The first card illustrates the formula for calculating the area of an ellipse. This decks contains 20 question cards, each of which depicts a unique ellipse form, or multiples of ellipses, in various sizes for which the student must calculate the total area.

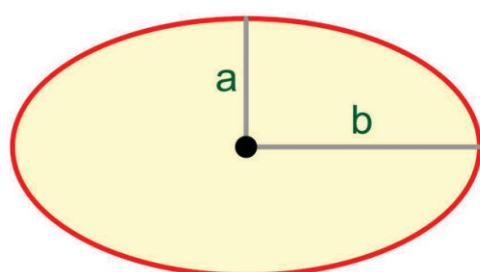
Decks in this series:

- 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)

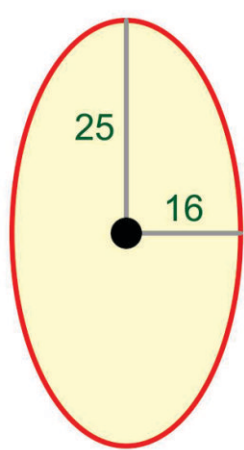
Area
of an
Ellipse

$$\pi ab$$

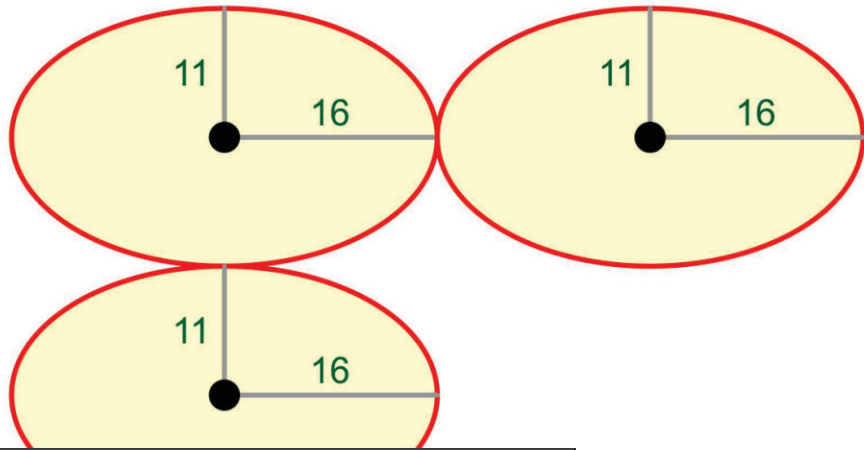
Multiple the shortest length (a)
by the longest length (b) by pi
to get the area of an ellipse



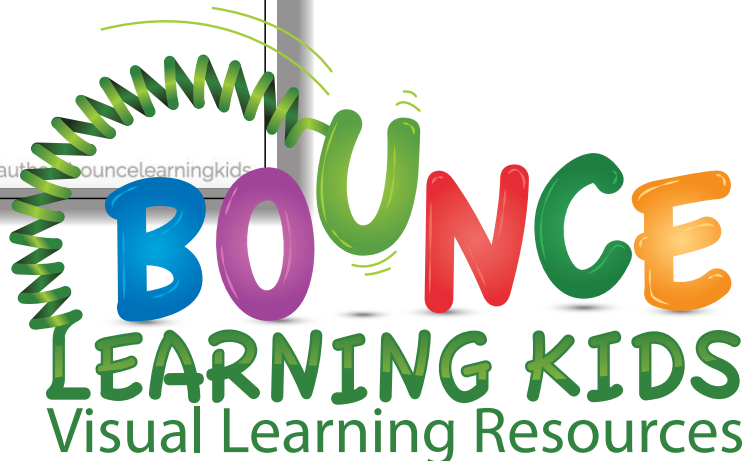
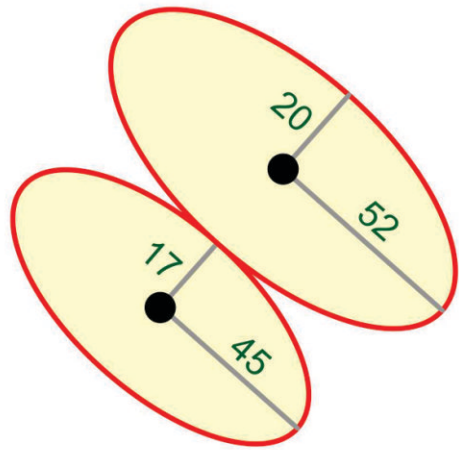
What is the total area of the yellow shaded area(s)
in square units (correct to **two** decimal places)?



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in square units (correct to **two** decimal places)?



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in square units (correct to **two** decimal places)?



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).