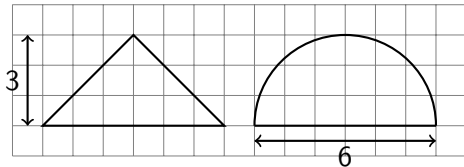# GQ: How do we calculate area & circumference of circles?

CCSS: HSG.GPE.A1 Geometry & equations of conics   11.3 Tuesday 31 March

Do Now: Simple area and perimeter. (answer in G-Classroom)

1. Find the area of the triangle.
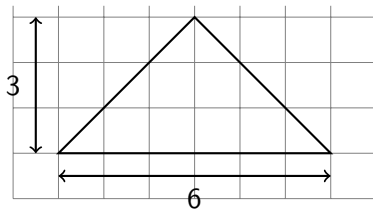2. Find the area and perimeter of the semi-circle.

Lesson:
 Simple areas, compound shapes, "negative" space (subtracting)
Classwork: Deltamath (extra homework problems)
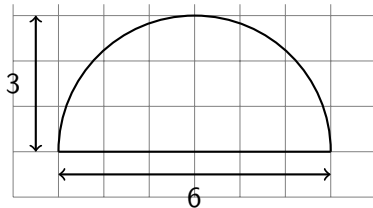Daily math work: Khan Academy circle practice

Do Now: Solutions of area and perimeter of simple shapes
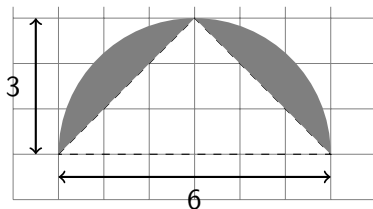
Triangle: $A = \frac{1}{2}bh$

Circle:

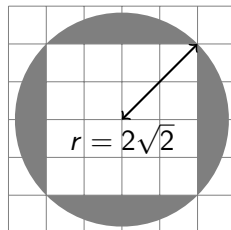$A = \pi r^2 \qquad C = \pi D = 2\pi r$

Compound shapes, "negative space" or subtracting areas

Find the area of the shaded
region.

Challenge: Find the area of the
shaded regions.

$r = 2\sqrt{2}$

Find the area of the triangle