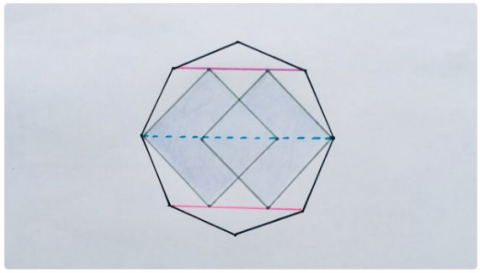
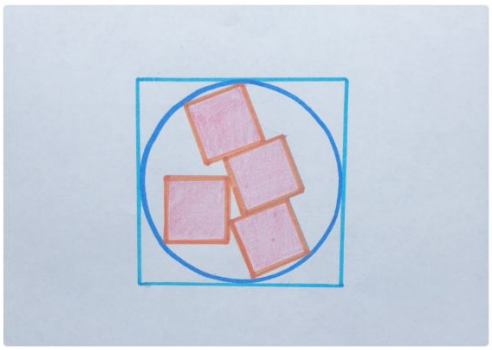
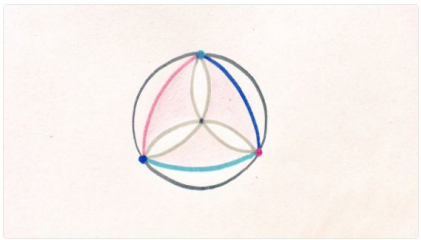
Pink lines have length 8. What's the perimeter of the shaded octagon?



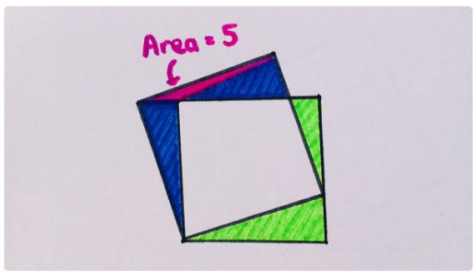
What fraction of the big square is shaded? Shaded squares are identical.



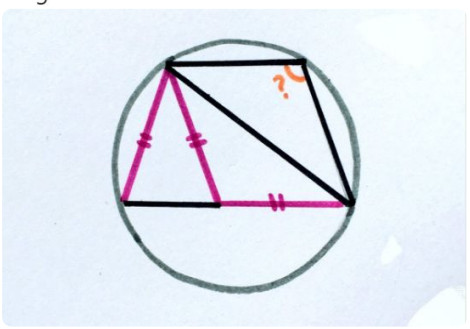
What fraction is shaded? Three coloured dots are equally spaced around the circle, with an arc (of the same colour) centred on each dot. The other arcs intersect at the centre of the circle.



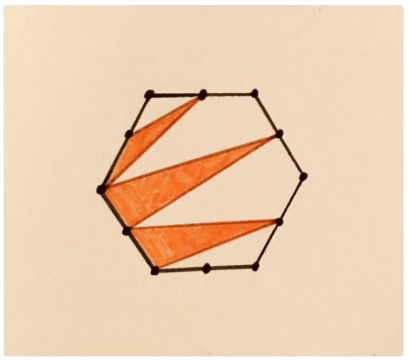
Is more of this design green or blue (and by how much)?



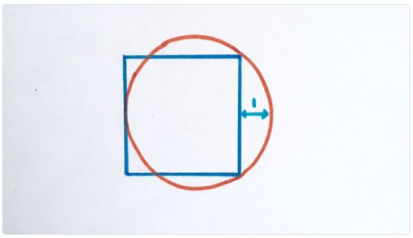
All four triangles are isosceles. What's the angle?



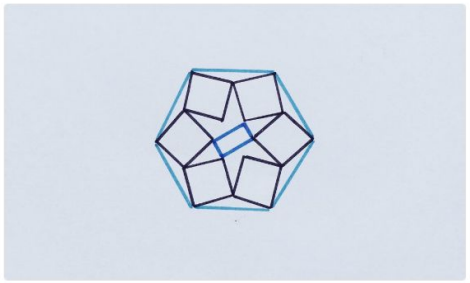
What fraction is shaded? The hexagon is regular, with equally spaced dots around its perimeter.



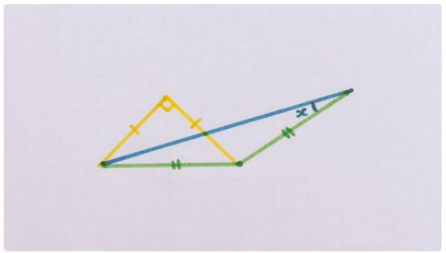
What's the area of the square?



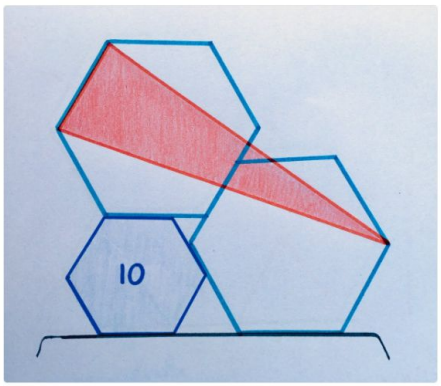
Six identical squares and a smaller rectangle are fitted into this regular hexagon. What fraction of the hexagon do they cover?



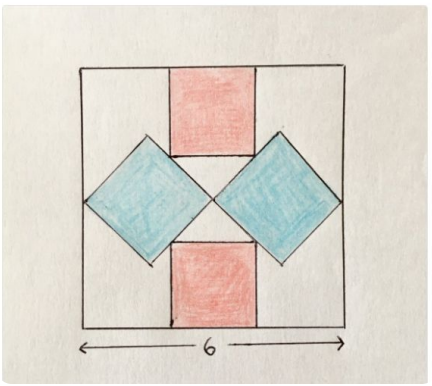
These two isosceles triangles have the same area. What's the angle?



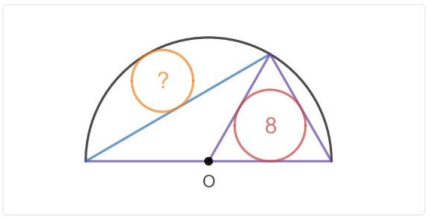
Two of the regular hexagons are identical; the third has area 10. What's the area of the red triangle?



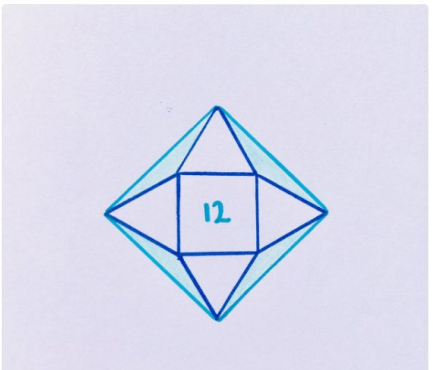
Squares of the same colour are the same size. What's the total shaded area?



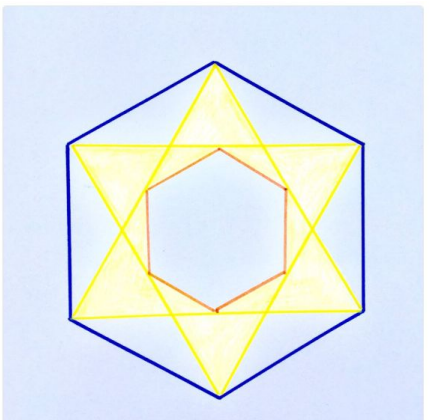
A circle of area 8 is inscribed in an equilateral triangle. What's the area of the other circle?



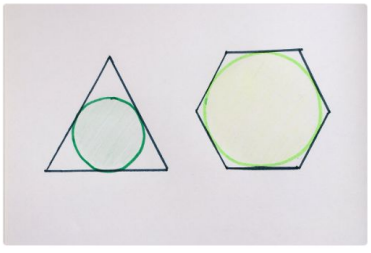
Four equilateral triangles are arranged around a square which has area 12. What's the total shaded area?



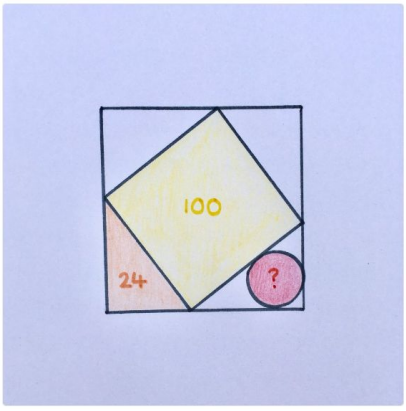
Corresponding sides of the two regular hexagons are parallel. If the small hexagon has an area of 18, what's the shaded area?



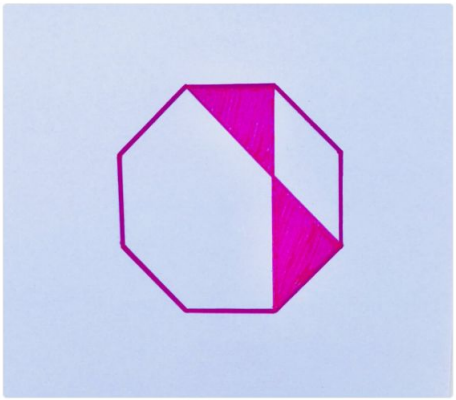
these regular polygons have the same perimeter. Find the ratio of the area of the circles.



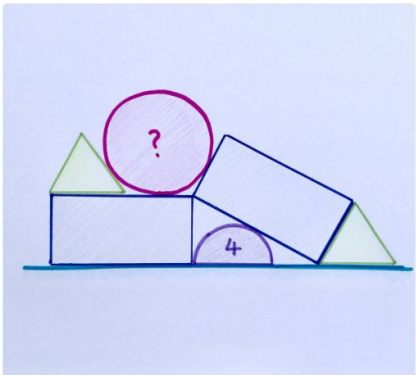
The square, circle and triangle are stacked inside a larger square. What's the area of the circle?



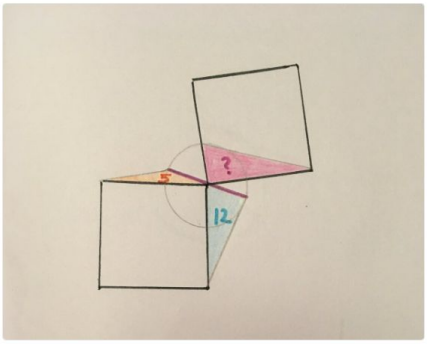
The shaded area has the same value as the perimeter of the regular octagon. What is this value?



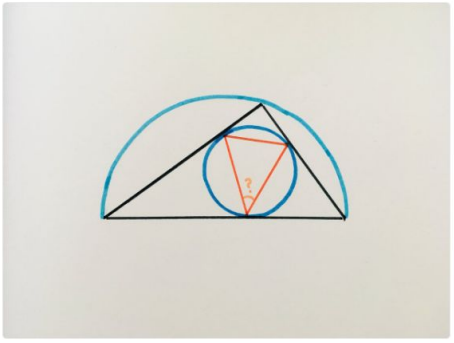
The triangles are equilateral, and the rectangles are twice as long as they are wide. If the area of the semicircle is 4, what's the area of the pink circle?



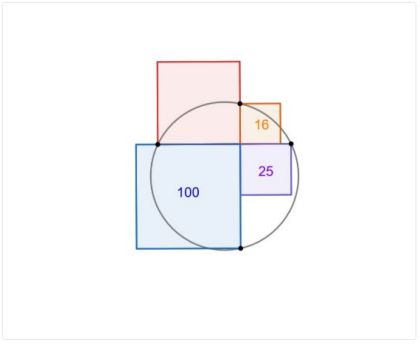
The two squares are identical, and the pink line is a diameter of the circle. What's the area of the pink triangle?



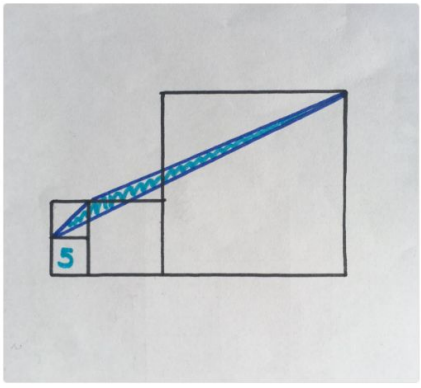
A triangle in a circle in a triangle in a semicircle... what's the angle?



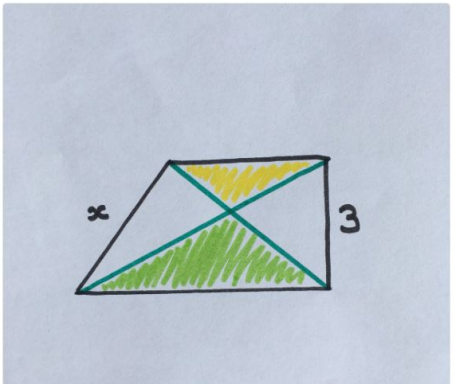
What's the area of the circle?



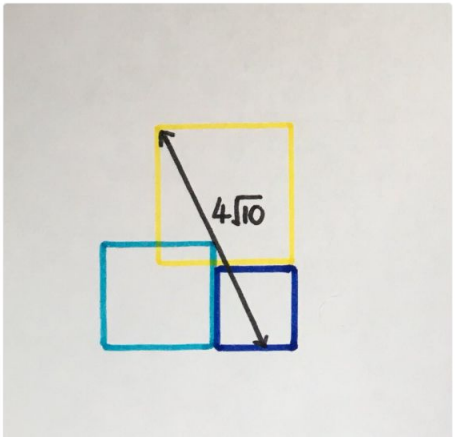
The area of the bottom left square is 5. What's the area of the blue triangle?



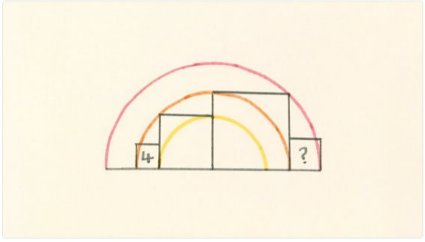
right-angled trapezium, the green area is 6 more than the yellow area. What's the length of the sloping side?



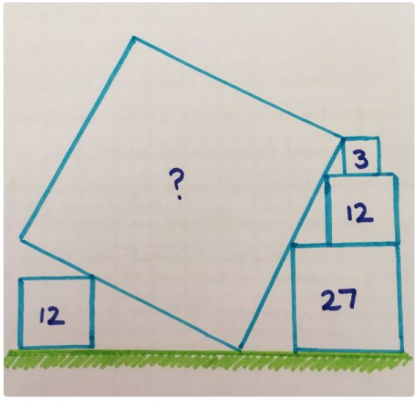
The side lengths of the three squares are consecutive integers. What's the total area?



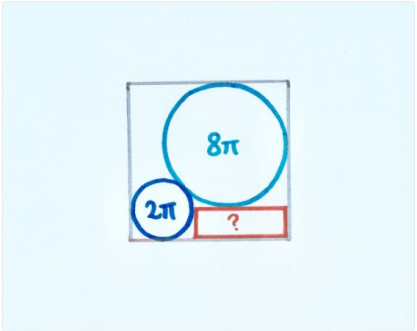
The leftmost square has area 4. What's the area of the square on the right?



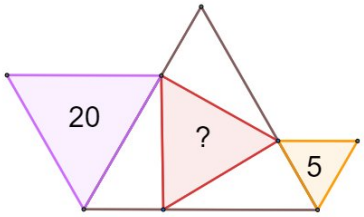
What's the area of the toppled square?



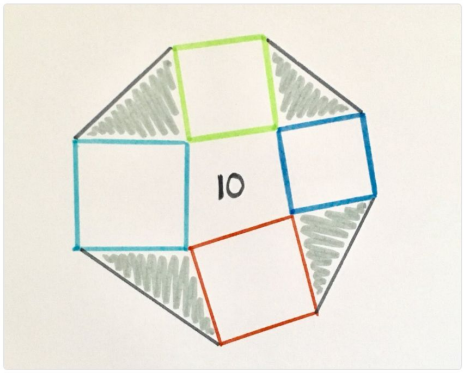
Given the areas of the two circles inside this square, can you find the area of the rectangle?



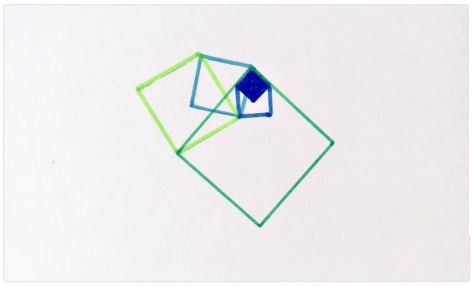
Here are 4 equilateral triangles. Find the missing area.



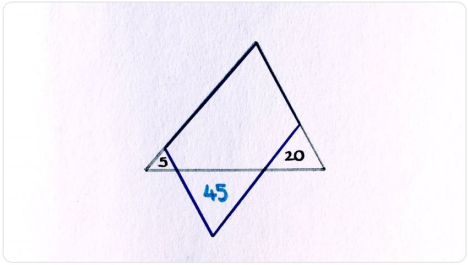
The four squares enclose a quadrilateral of area 10. What's the total shaded area?



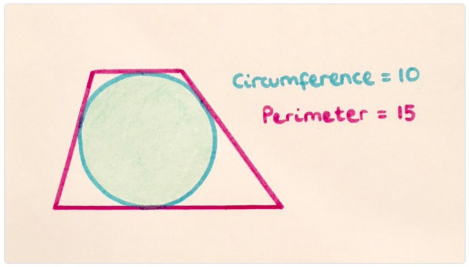
What fraction of the largest square is shaded?



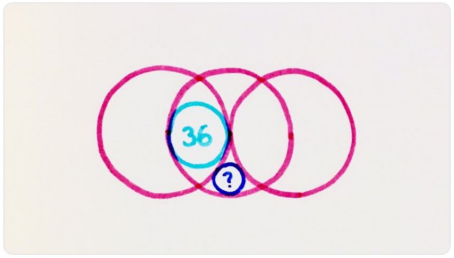
What's the area of the parallelogram?

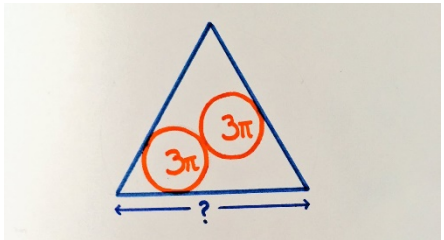


What fraction of the trapezium is shaded?

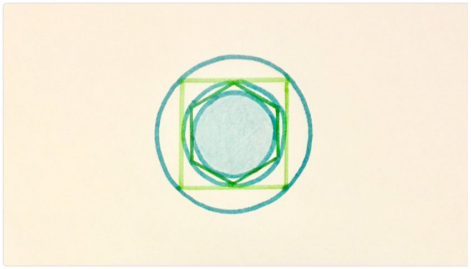


What's the area of the smallest circle?

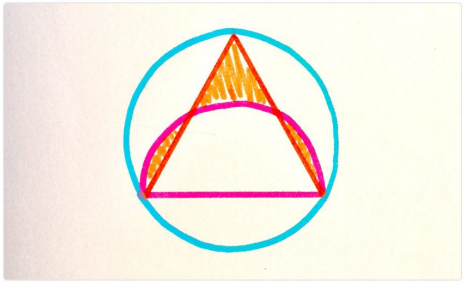




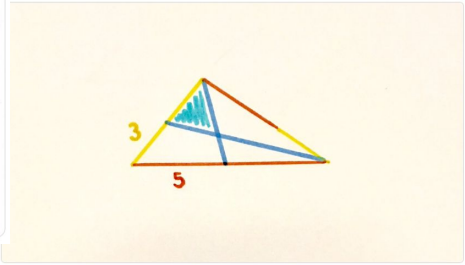
Both polygons are regular. What fraction of the design is shaded?



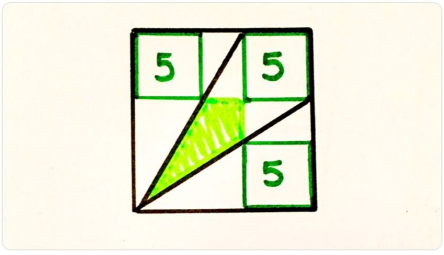
The semicircle and equilateral triangle have the same base. What fraction of the circle is shaded?



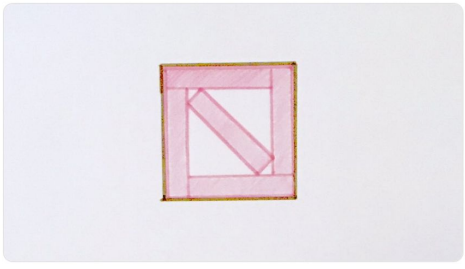
Red segments have length 5, and yellow egments have length 3. What's the shaded rea?



Three equal squares are packed into this bigger square. What's the shaded area?

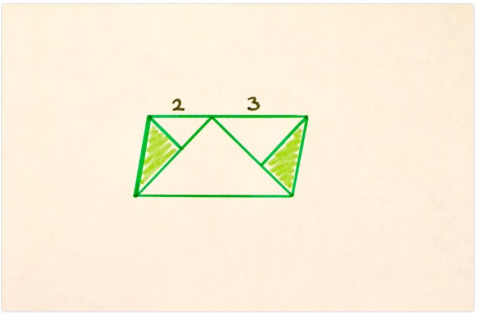


What fraction of the square is covered by these 5 identical rectangles?

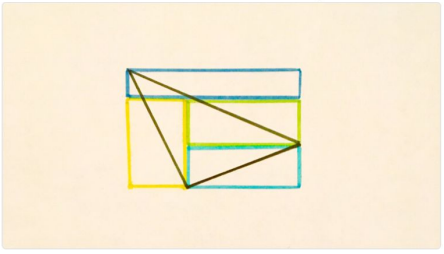


10 equally spaced dots are joined by semicircles to make this spiral. Is more of it shaded red or orange? By how much?

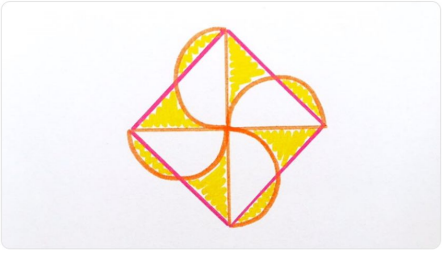
Unshaded triangles are isosceles. What fraction of the parallelogram is shaded?



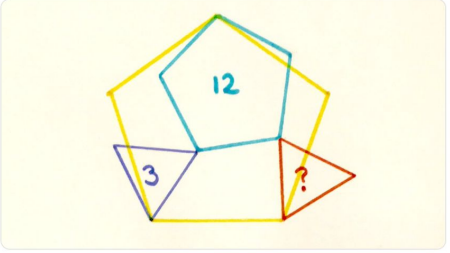
The four rectangles each have area 12. What's the area of the triangle?



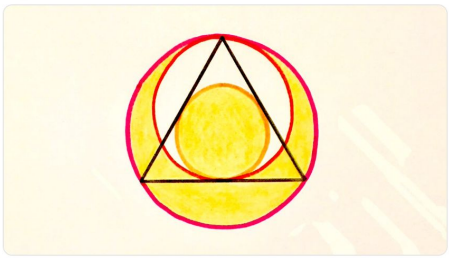
If the radius of each semicircle is 5, what's the total shaded area?



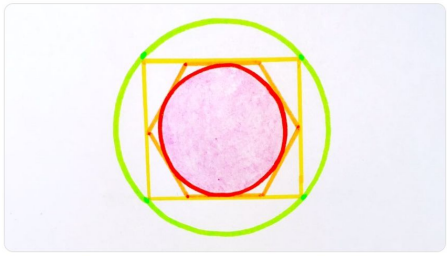
The area of two of these regular polygons has been given. Can you find the area of the red triangle?



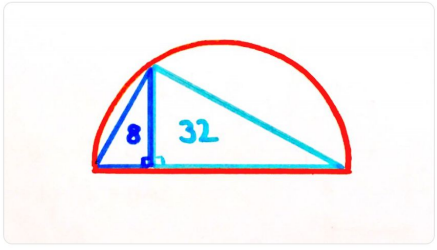
What fraction is shaded? The triangle is equilateral.



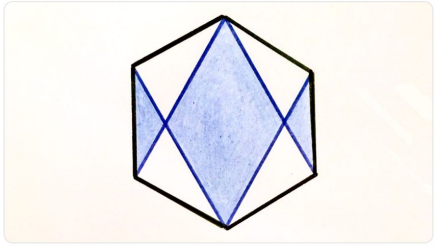
Two circles, a rectangle and a regular hexagon, all neatly packed inside each other. What fraction of the outer circle is shaded?



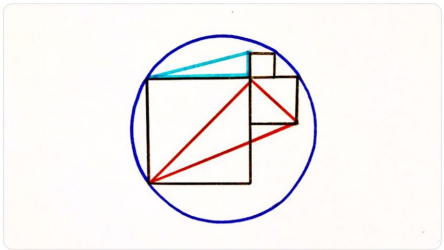
What's the area of the semicircle?



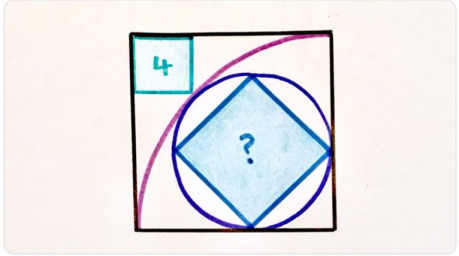
What fraction of the regular hexagon is shaded?



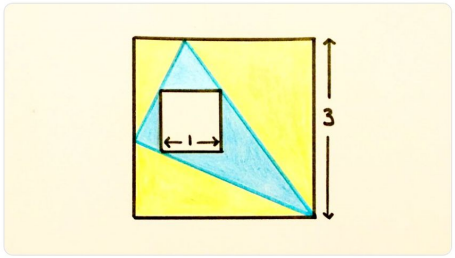
Three squares in a circle... If the blue triangle has area 5, what's the area of the red triangle?



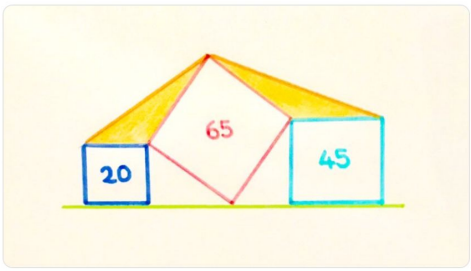
There are three squares here. The smallest has area 4. What's the missing area?



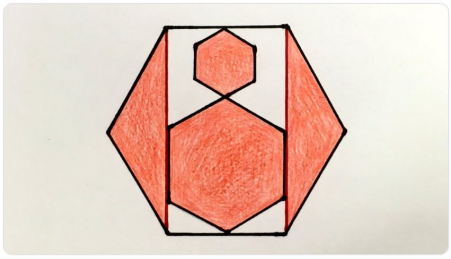
The sides of the two squares are parallel to each other. What's the ratio of the blue area to the yellow?



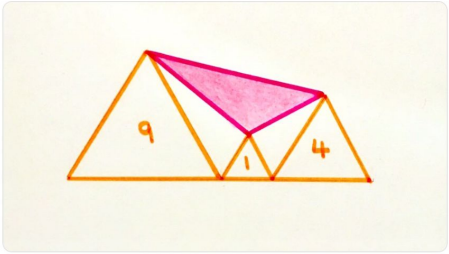
The areas of the three squares are given. What area is shaded?



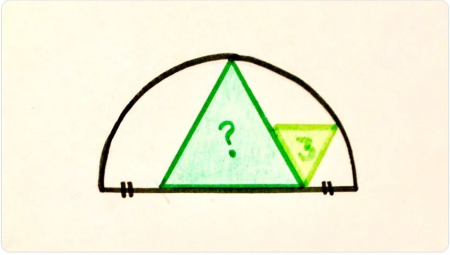
Three regular hexagons. What fraction is shaded?



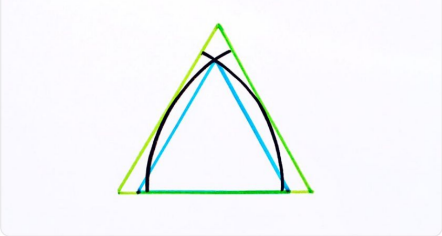
Given the areas of the three equilateral triangles, find the shaded area.



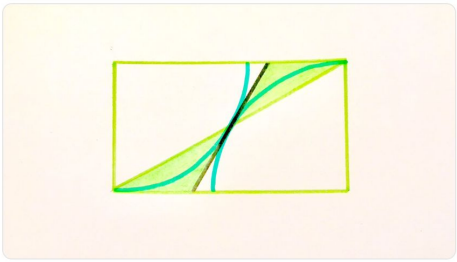
There are two equilateral triangles inside this semicircle. What's the area of the larger one?



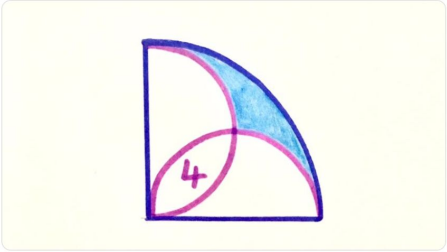
Two arcs are drawn from corners of the green equilateral triangle, which has area 3. What's the area of the blue equilateral triangle?



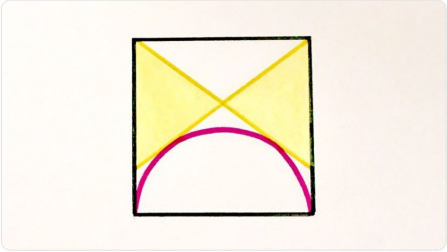
The black line is tangent to both quarter circles. What fraction of the rectangle is shaded?



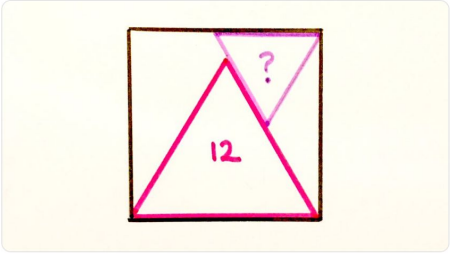
What's the shaded area?



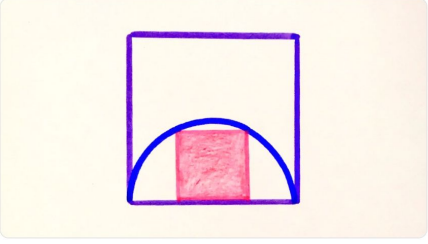
The yellow lines are tangents to the semicircle. What fraction of the square is shaded?



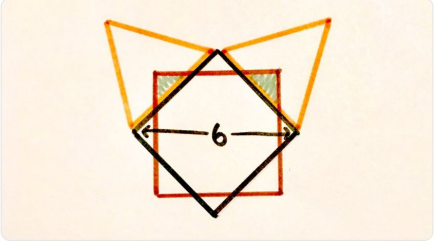
Two equilateral triangles in a square. What's the missing area?



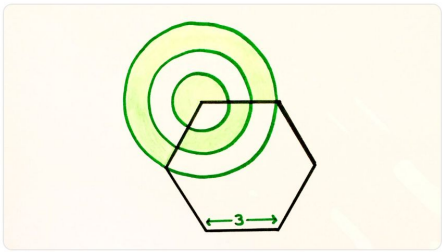
What fraction of the larger square is covered by the one inside the semicircle?



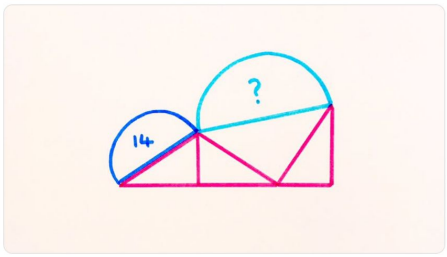
The corners of the red square are at the centres of the equilateral triangles. What's the total shaded area?



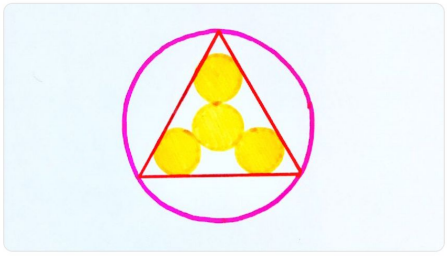
The regular hexagon has a side length of 3, and the rings are equally spaced. What's the total shaded area?



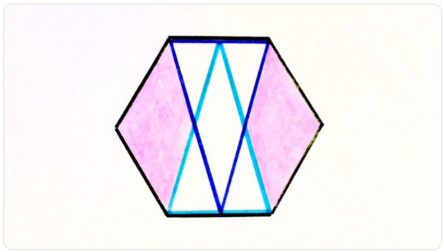
Two semicircles are balanced on these three identical triangles. What's the missing area?



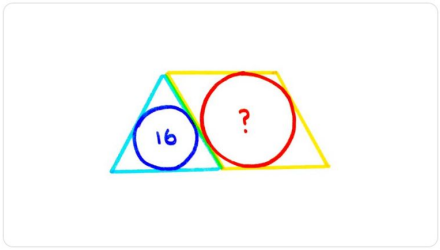
Four identical circles are packed into an equilateral triangle. What fraction of the larger circle is shaded?



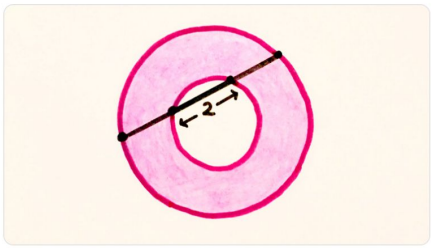
What fraction of this regular hexagon is not covered by the two isosceles triangles?



The circle inside the equilateral triangle has area 16. What's the area of the circle inside the rhombus?



The four dots are equally spaced. What's the shaded area?



The red line, of length 2, is perpendicular to the bases of the three semicircles. What's the total shaded area?