GEOMETRY AND ANGLES TEST - 1° ESO

Exercise 1: (1.5 points) Given the angles: A = 67^0 19' 45'' and B = 39^0 23' 15'', work out

a) 7A + B

b) $\frac{A-B}{5}$

c) If A and B are part of a triangle, find the value of the third angle

Exercise 2: (1 point)

a) Transform 7h 22' 53'' into minutes

b) Transform 3.72h into hours, minutes and seconds

Exercise 3: (1.5 points) Find the area and the perimeter of an isosceles trapezium with bases 15 and 10 cm and height 12 cm

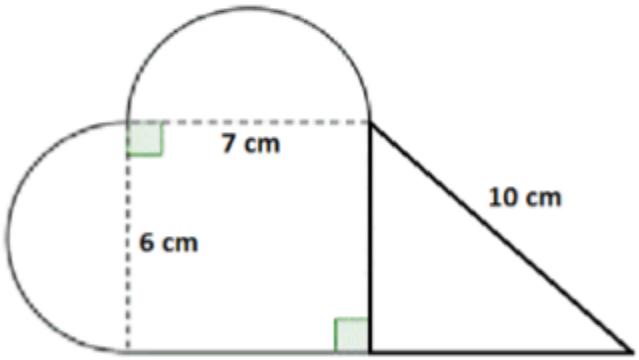
Exercise 4: (0.75 points) Enunciate Pythagoras' theorem

Exercise 5: (1.5 points)

a) The diameter of a round cake is 14cm, and I want to divide it into sixteen equal portions. What's the area of each portion?

b) The length of the border of a plastic swimming pool is 25.13m. What's its radius?

Exercise 6: (1.75 points) Find the area and the perimeter of the given figure:



Exercise 7: (2 points) Work out the area of region between the octagon and the circle