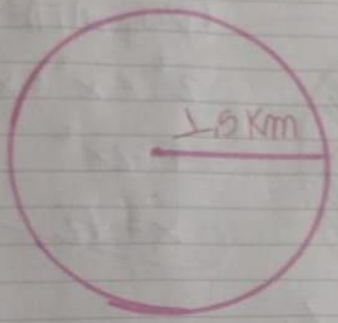
01-



1 volta - 2πR
1 volta - 2 . 3,14 . 1,5
1 volta - 9,42 Km

1 litro - 6 Km
720 litros - y
y = 720 Km

1 volta - 9,42 Km
x - 720 Km

x = 76 voltas

02-

raio = diâmetro / 2

1 volta - 2πR
20 voltas - x

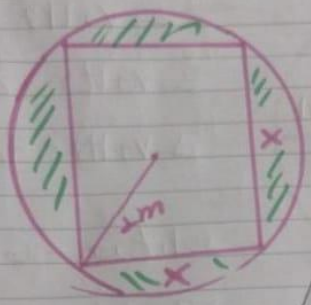
raio = 4/2
raio = 2cm

1 volta - 2π2
20 voltas - y

y = 40π cm

__/__/__

03-



(Diagonal □)² = x² + x²

2² = x² + x²

4 = 2x²

x = √2

Área quadrado = √2 · √2

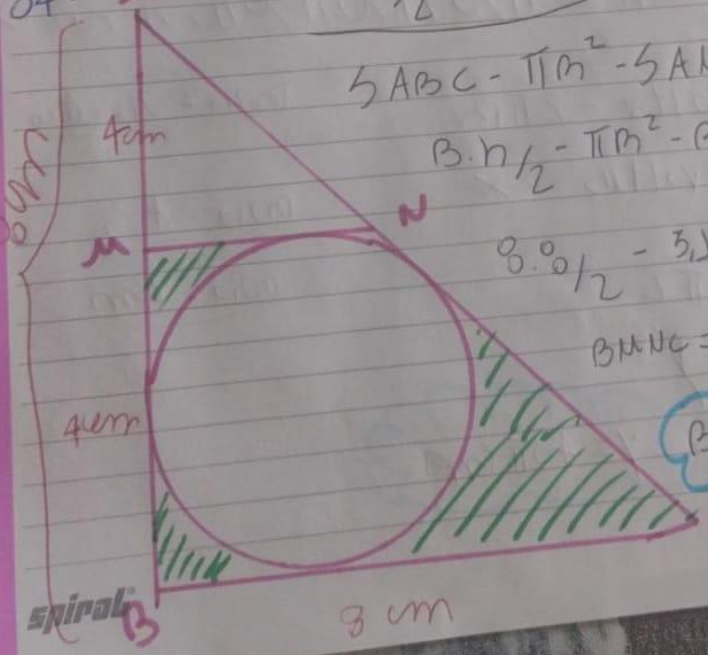
Área = 2 m²

πR² - área do quadrado

πL² - 2 = Área sombreada

π - 2

04-



AMN/2 = ABC

S ABC - πR² - S AMN = BMNC

B.h/2 - πR² - B.h/2 = BMNC

8.8/2 - 3,1.2² - 4.4/2 = BMNC

BMNC = 32 - 12,4 - 8

BMNC = 11,6 cm²