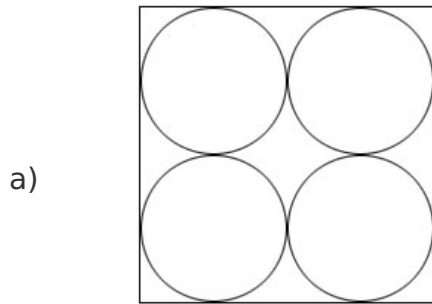


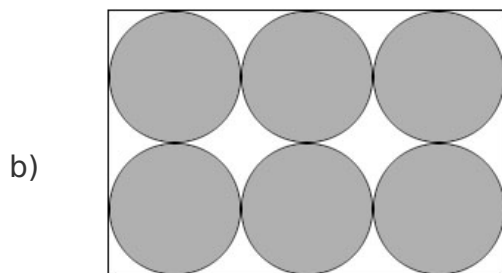
Work out the area

This task is about using the diameters of tins to work out the floor area of a carton and a given number of tins.



Four paint tins each 12.5 cm in diameter, fit into a carton as shown. What is the area of the bottom of the carton?

- (A) 50 cm²
- (B) 100 cm²
- (C) 625 cm²
- (D) 1250 cm²
- (E) None of these. The answer is _____ cm².



The 6 smaller paint tins packed in this carton each have a radius of 5 cm. What is the total area of the bottom of **all 6** paint cans? (Use $\pi = 3.14$)

- (A) 78.5 cm²
- (B) 188.4 cm²
- (C) 471 cm²
- (D) 600 cm²
- (E) None of these. The answer is _____ cm².