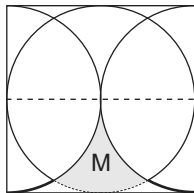


- Q12. Cost of 4 egg tarts = $4 \times \$0.80 = \3.20
 Cost of 3 spring rolls = $3 \times \$0.60 = \1.80
 Cost of 2 muffins = $2 \times \$0.95 = \1.90
 Total cost of 4 egg tarts, 3 spring rolls and 2 muffins
 = $3.20 + 1.80 + 1.90 = \$6.90$
 Number of such groups sold
 = $117.30 \div 6.90 = 17$
 Number of egg tarts sold
 = $4 \times 17 = 68$
 Ans: 68

- Q13. (a) The perimeter of the shaded part M can be visualised as the total length of 2 quarter-circle arcs.

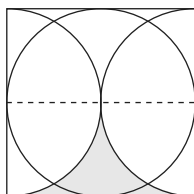


Perimeter of 2 quarter-circle arcs

$$= 2 \times \frac{1}{4} \times 3.14 \times 40 = 62.8 \text{ cm}$$

Ans: 62.8 cm

- (b) The area of the shaded parts is the same as half of the square minus 2 quarter circles.



Radius of quarter circle

$$= 40 \div 2 = 20 \text{ cm}$$

Area of half of the square

$$= 40 \times 40 \div 2 = 800 \text{ cm}^2$$

Area of 2 quarter circles

$$= 2 \times \frac{1}{4} \times 3.14 \times 20 \times 20 = 628 \text{ cm}^2$$

Total shaded area

$$= 800 - 628 = 172 \text{ cm}^2$$

Ans: 172 cm²