

SYNOPSIS



QUESTION
A rectangular box is shown in the figure. The length of the box is 10 cm, the width is 6 cm and the height is 4 cm. Find the surface area of the box.

SOLUTION
Length of the box = 10 cm
Width of the box = 6 cm
Height of the box = 4 cm

ANSWER
Surface area of the box = 2(lb + bh + hl)
= 2(10 × 6 + 6 × 4 + 4 × 10)
= 2(60 + 24 + 40)
= 2(124)
= 248 cm²

QUESTION
A rectangular box is shown in the figure. The length of the box is 12 cm, the width is 8 cm and the height is 5 cm. Find the surface area of the box.

ANSWER
Surface area of the box = 2(lb + bh + hl)
= 2(12 × 8 + 8 × 5 + 5 × 12)
= 2(96 + 40 + 60)
= 2(196)
= 392 cm²

QUESTION
A rectangular box is shown in the figure. The length of the box is 15 cm, the width is 10 cm and the height is 7 cm. Find the surface area of the box.

ANSWER
Surface area of the box = 2(lb + bh + hl)
= 2(15 × 10 + 10 × 7 + 7 × 15)
= 2(150 + 70 + 105)
= 2(325)
= 650 cm²

