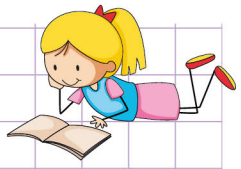
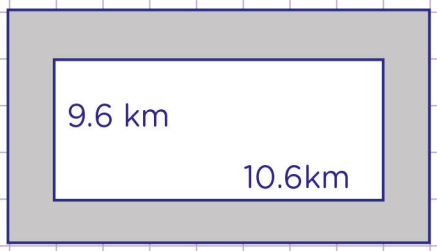
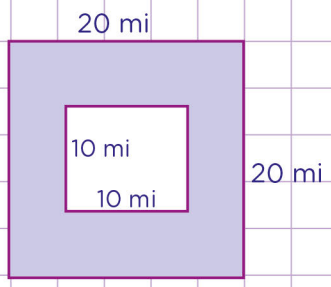
Name: ..... Class: .....

Area between two rectangles



What is the area of the shaded region of the figures below ?





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Solution

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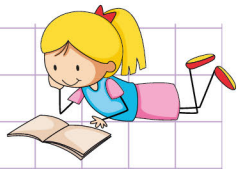
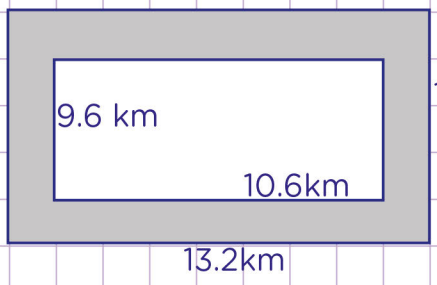
Name: ..... Class: .....

Area between two rectangles



What is the area of the shaded region of the figures below ?



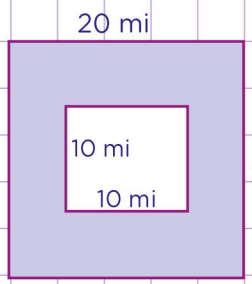
To calculate the area of the shaded region, Subtract the area of the inner shape from the area of the outer shape.

Area of inner rectangle = L x W
L = 10.6 km
W = 9.6 km
Area = 10.6 km x 9.6 km
= 101.76 km²

Area of outer rectangle = L x W
L = 13.2 km
W = 11.5 km
Area = 13.2 km x 11.5 km
= 151.8 km²

So, area of shaded region is
151.8 km² - 101.76 km²
50. 04 km²

So, the area of the shaded region is 50. 04 km²



To calculate the area of the shaded region, Subtract the area of the inner shape from the area of the outer shape.

Area of inner rectangle = L x W
L = 10 mi
W = 10 mi
Area = 10 mi x 10 mi
= 100 mi²

Area of outer rectangle = L x W
L = 20 mi
W = 20 mi
Area = 20 mi x 20 mi
= 400 mi²

So, area of shaded region is
400 mi² - 100 mi²
300 mi²

So, the area of the shaded region is 300 mi²

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