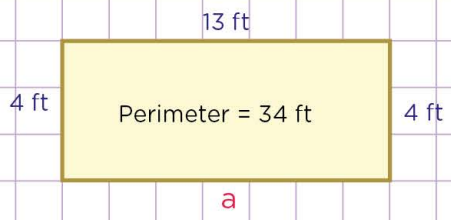
Name: ..... Class: .....

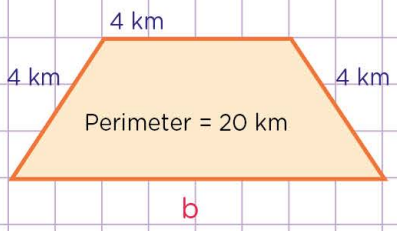
Finding the missing side length given the perimeter

Find the values of the variables below.

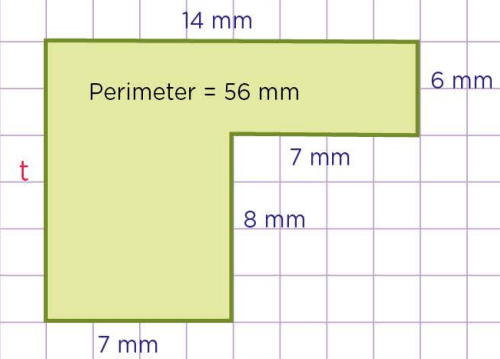
1.



2.



3.



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Solution

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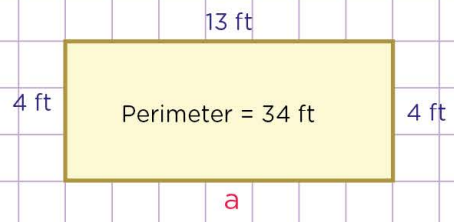
Name: ..... Class: .....

Finding the missing side length given the perimeter

Find the values of the variables below.

1.



Perimeter = sum of all the side lengths.

34 ft = (4 + 13 + 4 + a) ft.

34 ft = (21 + a) ft.

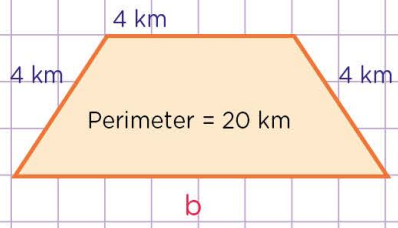
Now, subtract 21 ft from both sides to find a.

34 ft - 21 ft = 21 ft - 21 ft + a

13 ft = a

So, a = 13 ft.

2.



Perimeter = sum of all the side lengths

20 km = (4 + 4 + b + 4) km

20 km = (12 + b) km

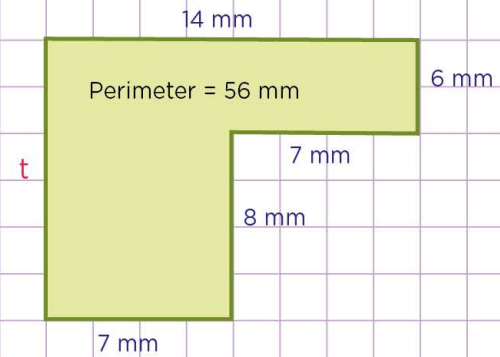
Now, subtract 12 km from both sides to find b.

20 km - 12 km = 12 km - 12 km + b

8 km = b

So, b = 8 km.

3.



Perimeter = sum of all the side lengths

56 mm = (14 + 7 + 7 + 8 + 6 + t) mm

56 mm = 42 mm + t

Now, subtract 42 mm from both sides to find t.

56 mm - 42 mm = 42 mm - 42 mm + t

14 mm = t

So, t = 14 mm.

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