

Question:

Kim plants 15 trees an hour. If she planted 150 trees on Saturday and 105 trees on Sunday, how many hours did she plant the tree?

Solution:

Find how many hours Kim planted tree in Saturday: if she planted 150 trees and each hour she planted 15 trees, then amount of hours in Saturday will be

$$t_{saturday} = \frac{150}{15} = 10 \text{ hours}$$

Find how many hours Kim planted tree in Sunday: if she planted 105 trees and each hour she planted 15 trees, then amount of hours in Sunday will be

$$t_{sunday} = \frac{105}{15} = 7 \text{ hours}$$

So, total amount of hours that Kim spent on Saturday and Sunday will be

$$t = t_{saturday} + t_{sunday} = 10 + 7 = 17 \text{ hours}$$

Answer: 17 hours