

Ski Trail Tracker

show your work

Use this page to organize your work and find the lengths of the missing segments on page 1. Refer to page 1 for the corresponding rectangle number and solve for the missing length or width using division. To find the total length of the trail, you can add up the individual lengths one by one, or you can solve for the perimeter of each rectangle and find the sum the perimeters. Either way, you will get the same answer!

#1 Length = 33m
Width = 84m
Area = 2,772m²

$$\begin{array}{r} 84 \\ 33 \overline{) 2772} \\ \underline{- 264} \\ 132 \\ \underline{- 132} \\ 0 \end{array}$$

Perimeter = 234m
84+33+84+33 = 234

#2 Length = 28m
Width = 59m
Area = 1,652m²

$$\begin{array}{r} 28 \\ 59 \overline{) 1652} \\ \underline{- 118} \\ 472 \\ \underline{- 472} \\ 0 \end{array}$$

Perimeter = 174m
28+59+28+59 = 174

#3 Length = 15m
Width = 23m
Area = 345m²

$$\begin{array}{r} 23 \\ 15 \overline{) 345} \\ \underline{- 30} \\ 45 \\ \underline{- 45} \\ 0 \end{array}$$

Perimeter = 76m
23+15+23+15 = 76

#4 Length = 64m
Width = 100m
Area = 6,400m²

$$\begin{array}{r} 100 \\ 64 \overline{) 6400} \\ \underline{- 64} \\ 00 \\ \underline{- 00} \\ 0 \end{array}$$

Perimeter = 328m
100+64+100+64 = 328

#5 Length = 31m
Width = 24m
Area = 744m²

$$\begin{array}{r} 31 \\ 24 \overline{) 744} \\ \underline{- 72} \\ 24 \\ \underline{- 24} \\ 0 \end{array}$$

Perimeter = 110m
31+24+31+24 = 110

#6 Length = 29m
Width = 50m
Area = 1,450m²

$$\begin{array}{r} 29 \\ 50 \overline{) 1450} \\ \underline{- 100} \\ 450 \\ \underline{- 450} \\ 0 \end{array}$$

Perimeter = 158m
29+50+29+50 = 158

#7 Length = 26m
Width = 54m
Area = 1,404m²

$$\begin{array}{r} 54 \\ 26 \overline{) 1404} \\ \underline{- 130} \\ 104 \\ \underline{- 104} \\ 0 \end{array}$$

Perimeter = 160m
54+26+54+26 = 160

#8 Length = 21m
Width = 21m
Area = 441m²

$$\begin{array}{r} 21 \\ 21 \overline{) 441} \\ \underline{- 42} \\ 21 \\ \underline{- 21} \\ 0 \end{array}$$

Perimeter = 84m
21+21+21+21 = 84

#9 Length = 30m
Width = 58m
Area = 1,740m²

$$\begin{array}{r} 58 \\ 30 \overline{) 1740} \\ \underline{- 150} \\ 240 \\ \underline{- 240} \\ 0 \end{array}$$

Perimeter = 176m
58+30+58+30 = 176

Fill out the spaces with the perimeters of the 9 rectangular loops and add them together. ➡

234m	
174m	
76m	
328m	
110m	
158m	
160m	
84m	
+ 176m	
TOTAL ➡	1500m