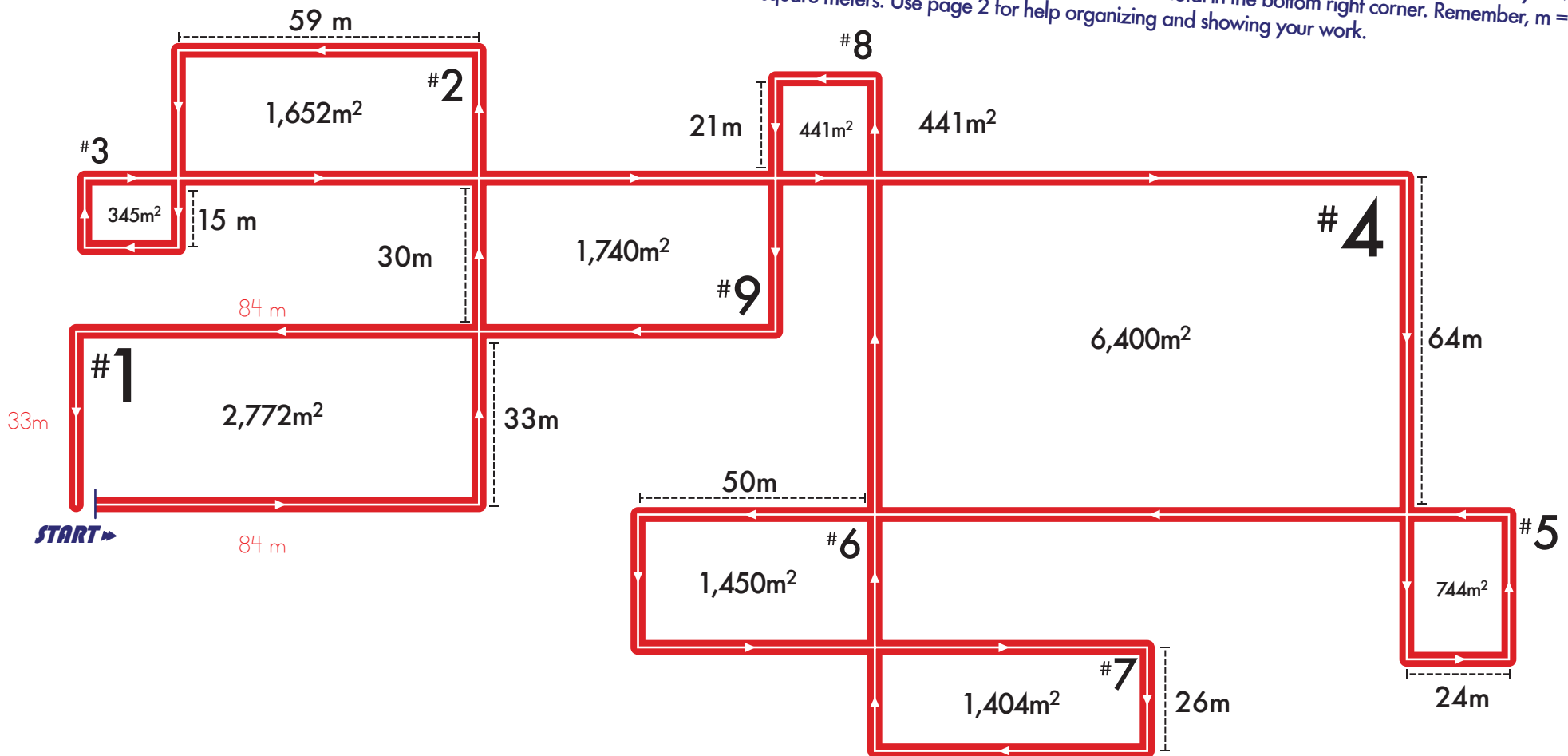# ski trail tracker #8

Find the total length of the cross-country ski trail below by finding the length of the individual segments. In each rectanglular loop, the area and one side length are given. Use division to find the length of each unmarked segment (**rectangle area = length x width**, so **length = area ÷ width** or **width = area ÷ length**). After you've solved for each segment length, add them together and write the total in the bottom right corner. Remember, m = meters and m^2 = square meters. Use page 2 for help organizing and showing your work.

59 m

#2
1,652m^2

#8

21m 441m^2 441m^2

#3
345m^2 15 m

30m

#4

84 m 1,740m^2 #9

#1
33m 2,772m^2 33m 6,400m^2 64m

START ▶ 84 m

50m

#6
1,450m^2 #5

744m^2

#7
1,404m^2 26m 24m

Total Trail Length _____

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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

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

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

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

Perimeter = _____

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

Perimeter = _____

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

Perimeter = _____

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

Perimeter = _____

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

Perimeter = _____

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

Perimeter = _____

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

Perimeter = _____

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

Perimeter = _____

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

234 m
_____
_____
_____
_____
_____
_____
_____
+
_____

TOTAL ▸ _____

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