

Length 4 (Answer Key)

Convert the units of length into smaller and larger units.

Fill out the table with the units of length, then calculate the missing unit.

Units	km			m	dm	cm	mm	Missing
3 km	3	0	0	0				3000 m
654 m		6	5	4				0,654 km
8,34 m				8	3	4		83,4 dm
96 dm				9	6			9,6 m
1844 mm				1	8	4	4	1,844 m
4569 cm			4	5	6	9		45,69 m
5 m				5				5000 mm
3 m				3				300 cm
243 335 cm		2	4	3	3	3	5	0,243335 km

Put the units of length in order, beginning with the shortest.

56 m	0,566 km	5566 dm	5466 mm	5,66 m	5,46 km
56 m	566 m	556,6 m	5,466 m	5,66 m	5460 m

$$5466 \text{ mm} < 5,66 \text{ m} < 56 \text{ m} < 5566 \text{ dm} < 0,566 \text{ km} < 5,46 \text{ km}$$

The children have to decide between running 800 m, swimming for 200 m, or riding their bikes for 5 km in order to receive their sport badges. 9 children in class 4c choose running. 4 children choose swimming and 11 children choose bike riding. In total how much ground did the class cover?

Equation:

$$\begin{aligned} \text{Running:} & \quad 800 \text{ m} \cdot 9 = 7200 \text{ m} = 7,2 \text{ km} \\ \text{Swimming:} & \quad 200 \text{ m} \cdot 4 = 800 \text{ m} = 0,8 \text{ km} \\ \text{Bike riding:} & \quad 5 \text{ km} \cdot 11 = 55 \text{ km} \\ & \quad 7,2 \text{ km} + 0,8 \text{ km} + 55 \text{ km} = 63 \text{ km} \end{aligned}$$

Answer: The class covered a total of 63 km all together.