

Length 3 (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 |
|------------|----|---|---|---|----|----|----|------------|
| 1344 m | 1 | 3 | 4 | 4 | | | | 1,344 km |
| 524 m | | 5 | 2 | 4 | | | | 0,524 km |
| 34 m | | | 3 | 4 | | | | 340 dm |
| 345 dm | | | | | 3 | 4 | 5 | 0,345 m |
| 545 555 mm | | 5 | 4 | 5 | 5 | 5 | 5 | 545,555 m |
| 34 175 cm | | | 3 | 4 | 1 | 7 | 5 | 34,175 m |
| 1,1 m | | | | 1 | 1 | | | 1100 mm |
| 23,85 dm | | | | 2 | 3 | 8 | 5 | 238,5 cm |
| 12 975 cm | | 1 | 2 | 9 | 7 | 5 | | 0,12975 km |

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

| | | | | | |
|------|----------|---------|---------|--------|----------|
| 34 m | 0,344 km | 3344 dm | 3233 mm | 3,44 m | 3,23 cm |
| 34 m | 344 m | 334,4 m | 3,233 m | 3,44 m | 0,0323 m |

$$3,23 \text{ cm} < 3233 \text{ mm} < 3,44 \text{ m} < 34 \text{ m} < 3344 \text{ dm} < 0,344 \text{ km}$$

The Meier family is going on holiday. They are driving for 3 hours at a rate of 95km/h. They will have a break for one half hour, before driving 2 and a half hours to their final destination at a rate of 60km/h. How far from their home will the Meier family be?

Equation: $3 \cdot 95 \text{ km} = 285 \text{ km}$
 $2,5 \cdot 60 \text{ km} = 150 \text{ km}$

$$285 \text{ km} + 150 \text{ km} = 435 \text{ km}$$

Answer: The holiday location is 435 km from the Meier family's home.