

36. How to convert between metric and imperial units of length



Scenario Questions: Round answers to 1 decimal place

1. Emily is going hiking and the trail is 8 kilometers long. How many miles is the length of the trail? (Conversion: 1 mile = 1.6 kilometers)

2. Jason wants to know the height of a building, which is listed as 60 meters. How many feet is the height of the building? (Conversion: 1 foot = 0.3 meters)

3. Sophie is measuring the length of a football field, which is 100 meters. How many yards is the length of the football field? (Conversion: 1 yard = 0.9 meters)

4. Ben is estimating the width of a swimming pool, and it is 20 meters wide. How many feet is the width of the swimming pool? (Conversion: 1 foot = 0.3 meters)

5. Mia is planning a road trip and the distance between two cities is 300 kilometers. How many miles is the distance between the two cities? (Conversion: 1 mile = 1.6 kilometers)

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6. Emma is measuring her garden, and it is 15 meters long. How many feet is the length of her garden? (Conversion: 1 meter = 3.3 feet)

7. Liam is planning to run a 5 kilometer race. How many miles is that? (Conversion: 1 mile = 1.6 kilometers)

8. Olivia wants to measure the width of a bookshelf, which is listed as 1.5 meters. How many feet is the width of the bookshelf? (Conversion: 1 foot = 0.3 meters)

9. Noah is measuring the length of a field, and it is 120 meters long. How many yards is the length of the field? (Conversion: 1 yard = 0.9 meters)

10. Isabella is traveling to France, and the speed limit is 90 kilometers per hour. How many miles per hour is this? (Conversion: 1 mile per hour = 1.6 kilometers per hour)

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Scenario Questions: **Answers**

1. Emily is going hiking and the trail is 8 kilometers long. How many miles is the length of the trail? (Conversion: 1 mile = 1.6 kilometers)

1. 5 miles

2. Alex wants to know the height of a building, which is listed as 60 meters. How many feet is the height of the building? (Conversion: 1 foot = 0.3 meters)

2. 200 feet

3. Sophie is measuring the length of a soccer field, which is 100 meters. How many yards is the length of the soccer field? (Conversion: 1 yard = 0.9 meters)

3. 111.1 yards

4. Ben is estimating the width of a swimming pool, and it is 20 meters wide. How many feet is the width of the swimming pool? (Conversion: 1 foot = 0.3 meters)

4. 66.7 feet

5. Mia is planning a road trip and the distance between two cities is 300 kilometers. How many miles is the distance between the two cities? (Conversion: 1 mile = 1.6 kilometers)

5. 187.5 miles

6. Emma is measuring her garden, and it is 15 meters long. How many feet is the length of her garden? (Conversion: 1 meter = 3.3 feet)

6. 49.5 feet

7. Liam is planning to run a 5-kilometer race. How many miles is that? (Conversion: 1 mile = 1.6 kilometers)

7. 3.1 miles

8. Olivia wants to measure the width of a bookshelf, which is listed as 1.5 meters. How many feet is the width of the bookshelf? (Conversion: 1 foot = 0.3 meters)

8. 5 feet

9. Noah is measuring the length of a field, and it is 120 meters long. How many yards is the length of the field? (Conversion: 1 yard = 0.9 meters)

9. 133.3 yards

10. Isabella is traveling to France, and the speed limit is 90 kilometers per hour. How many miles per hour is this? (Conversion: 1 mile per hour = 1.6 kilometers per hour)

10. 56.3 miles per hour