

Minesweeper Math Worksheet

Your job is to calculate the distances, speeds, and travel times of minesweepers using ratios and scale. The example provided is for the Rome to Anzio route. Make sure you are using the correct numbers in the correct spots on your ratios. Don't forget to show your work!

Scale for the map: _____

Speed of an Auk-class minesweeper: 20 miles per hour (MPH)

Sample:

The distance from Rome to Anzio is 38 miles.
Rounded to nearest tenths place,
the distance is approximately 40 miles.

$$\frac{20 \text{ miles}}{1 \text{ hour}} = \frac{40 \text{ miles}}{x \text{ hour}(s)}$$

Cross multiply.

$$40 = 20x$$

Divide.

$$x = 2 \text{ hours}$$

Minesweeper Math Worksheet cont.

A: Calculate travel time for the following:

1. Naples to Palermo

| Distance | Travel Time |
|----------|-------------|
| | |

Answer:

Distance: _____

Travel Time: _____

2. Naples to Anzio

| Distance | Travel Time |
|----------|-------------|
| | |

Answer:

Distance: _____

Travel Time: _____

Minesweeper Math Worksheet cont.

B: Calculate speeds for the following:

3. Palermo to Bizerte (travel time = 5 hours)

| Distance | Speed |
|----------|-------|
| | |

Answer:

Distance: _____

Speed: _____

4. Anzio to Malta (travel time = 5.5 hours)

| Distance | Speed |
|----------|-------|
| | |

Answer:

Distance: _____

Speed: _____

Minesweeper Math Worksheet cont.

C: Calculate distance for the following WITHOUT using scale:

5. Bizerte to Naples (speed = 20MPH, travel time = 17 hours)

| Distance |
|----------|
| |

Answer:

Distance: _____

6. Malta to Anzio (speed = 20MPH, travel time = 20 hours)

| Distance |
|----------|
| |

Answer:

Distance: _____