Math 10

Lesson 6-3 Answers

Lesson Questions

Question 1

59 m = 59 m · 3.281 ft/m = **194 ft**

Question 2

Winona 68 mi. = 68 mi. · 1.609 km/mi. = 109.4 km

Takoda 114 km

Takoda drove farther

Question 3

5 ft. 7 in. = 5 ft. · 12 in./ft. + 7 in. = 60 in. + 7 in. = 67 in.

67 in. = 67 in. · 2.54 cm/in. = **170 cm**

Question 4

15 ft. = 15 ft. · .3048 m/ft. = 4.6 m

Yes, the load is approximately 4.6 m wide.

Assignment

1. a) 40.6 cm b) 1.2 m c) 4.6 m d) 1.5 km e) 9.7 km f) 50.8 mm

2. a) 1 in. b) 8 ft. c) 11 yd. d) 93 mi.

3. a) 55.9 cm b) 256.5 cm c) 9.6 m

4. Tennessee River

5. The odometer is accurate; 142 km is close to 87 mi.

6. The warehouse

7. Yes; approximately 8 cm

8. 7 homes

9. a) Approximately 65 hectares b) Approximately 259 hectares