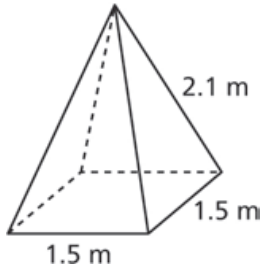


Math 10

Lesson 6-8 Answers

Assignment

- Answers may vary. For example:
a) Inch b) Foot c) Yard
 - a) 42 ft. b) 8800 yd.
c) 75 in. d) 3 yd. 1 ft. 3 in.
 - 320 in., or 8 yd. 2 ft. 8 in.
 - Answers will vary depending on the conversion ratios used.
a) 8 ft. 7 in. b) 136 yd. 2 ft. 1 in.
c) 3 mi. 1282 yd. d) 1 ft. 2 in.
 - Answers will vary depending on the conversion ratios used.
a) 12.5 m b) 6.8 km
c) 48.3 cm d) 215.9 mm
 - Answers will vary depending on the conversion ratio used.
670 750 strides
 - 160 yd.²
 - a) 75 ft.² b) 85 cm²
c) 898 mm² d) 192 m²
 - a)
b) 2.0 m
c) 6 m²
- 
- a) 8.7 in. b) 173 in.²
 - 125.8 cm²
 - 5810 ft.²
 - No; approximately 132.7 cm³
 - 12 cm

15. a) 11 m^3 b) 8822 in.^3
c) 7 ft.^3 d) 221 mm^3

16. a) 24 in.^3 b) 6 in.

17. a) 2.1 m b) 2.3 cm

18. a) 254 in.^2 , 382 in.^3
b) 133 m^2 , 144 m^3

19. a) 763 ft.^2 b) 1527 ft.^3

20. 4.6 in.

21. Approximately 98 cm^3

22. 523 in.^3

23. a) 480 cm^2 , 595 cm^3 b) 108 ft.^2 , 84 ft.^3

24. a) $113\,981 \text{ cm}^3$ b) $11\,878 \text{ cm}^2$

25. a) 8 cm b) 10 mm

