Math 10

Lesson 6-8 Answers

**Assignment**

1. Answers may vary. For example:

a) Inch b) Foot c) Yard

2. a) 42 ft. b) 8800 yd.

c) 75 in. d) 3 yd. 1 ft. 3 in.

3. 320 in., or 8 yd. 2 ft. 8 in.

4. 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.

5. 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

6. Answers will vary depending on the conversion ratio used.

670 750 strides

7. 160 yd.2

8. a) 75 ft.2 b) 85 cm2

c) 898 mm2 d) 192 m2

9. a)

b) 2.0 m

c) 6 m2

10. a) 8.7in. b) 173 in.2

11. 125.8 cm2

12. 5810 ft.2

13. No; approximately 132.7 cm3

14. 12 cm

15. a) 11 m3 b) 8822 in.3

c) 7 ft.3 d) 221 mm3

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 m2, 144 m3

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

20. 4.6 in.

21. Approximately 98 cm3

22. 523 in.3

23. a) 480 cm2, 595 cm3 b) 108 ft.2, 84 ft.3

24. a) 113 981 cm3 b) 11 878 cm2

25. a) 8 cm b) 10 mm