

# Sixth Grade: Activity 26 Practice

(pg. 339-340)

## Lesson 26-1

1.  $216 \text{ ft}^3$
2.  $4,096 \text{ in.}^3$
3.  $91.125 \text{ cm}^3$
4.  $\frac{125}{9} = 13\frac{8}{9} \text{ yd}^3$
5.  $512 \text{ in.}^3$
6.  $5 \text{ cm}$
7.  $1,728 \text{ in.}^3$
8.  $343 \text{ in.}^3$
9.  $778.688 \text{ cm}^3$
10.  $\frac{27}{512} \text{ ft}^3$
11.  $\frac{125}{8} = 15\frac{5}{8} \text{ in.}^3$
12.  $\frac{2,197}{64} = 34\frac{21}{64} \text{ ft}^3$
13.  $3\frac{1}{4} \text{ ft}^3$
14. D

## Lesson 26-2

15.  $810 \text{ ft}^3$
16.  $420 \text{ in.}^3$
17.  $1,080 \text{ in.}^3$
18.  $530.4 \text{ m}^3$
19.  $27 \text{ in.}^3$
20.  $16 \text{ in.}$
21.  $7 \text{ cm}$
22.  $1,922.8 \text{ cm}^3$
23.  $3\frac{3}{8} \text{ in.}^3$
24.  $14\frac{7}{32} \text{ in.}^3$
25.  $30 \text{ ft}^3$
26.  $220 \text{ in.}^3$
27. C
28. Answers may vary. Sample answers:

Dimensions (in.)	Surface Area (in. <sup>2</sup> )	Volume (in. <sup>3</sup> )
$2 \times 2 \times 48$	392	192
$2 \times 4 \times 24$	304	192
$2 \times 6 \times 16$	280	192
$2 \times 8 \times 12$	272	192
$4 \times 4 \times 12$	224	192
$4 \times 6 \times 8$	208	192