

Unit 18.1

2. 3 blocks
  5. 2 cylinders
  6. front and side
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Unit 18.2

1. a) 525 cubic cm   b) 48 cubic unit   c) 765 cubic yard   d) 60 cubic unit  
e) 1,728 cubic inch   f) 972 cubic m
  2. 1,680 cubic inch
  3. 1,920 cubic inch
  4. a) 960 cubic ft   b) 462 cubic inch   c) 2,600 cubic yd  
d) 1,024 m<sup>3</sup>
  5. 35 cubic ft
  6. 5,400 sq inch; 27,000 cubic inch
  7. a) 343 ft<sup>3</sup>   b) 864 in<sup>3</sup>
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Unit 18.3

1. a) 80 sq yd   b) 124 sq ft
  2. a) 976 cubic in   b) 300 cubic yard   c) 396 cm<sup>3</sup>  
d) 820 m<sup>3</sup>
  3. a) 234 cm<sup>3</sup>   b) 130 cm<sup>3</sup>
  4. d
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Unit 18.4

1. 27 cubes
  2. 64 cubes
  4. 1 face=24 cubes; 2 face=24; 3 face=8; no face=8
  6. 28
  7. 55
  8. 15
  9. 25
  10. 36
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Unit 18.5

2. a) SA=798 sq mm; V=1,485 cubic mm  
b) SA= 1,116 sq yd; V=2,520 cubic yd
  3. SA= 1,014 sq ft; V= 2,197 cubic ft
  4. 148.5 m<sup>3</sup>
  5. a) 348 sq ft   b) 196 sq cm
  6. area=124 sq in; volume=372 cubic in
  7. 25
  8. 45
  9. 216 cubic feet
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