

# 15

## 体積

### 解答と解説

#### 解答

①

- (1)  $72 \text{ cm}^3$
- (2)  $27 \text{ cm}^3$
- (3)  $12800 \text{ cm}^3$   
( $0.0128 \text{ m}^3$ )
- (4)  $125 \text{ cm}^3$
- (5)  $0.14 \text{ m}^3$   
( $140000 \text{ cm}^3$ )
- (6)  $302.5 \text{ cm}^3$
- (7)  $343 \text{ cm}^3$
- (8)  $36 \text{ cm}^3$

②

- (1) 15
- (2) 4
- (3) 20

③

- (1)  $96 \text{ cm}^3$
- (2)  $726 \text{ cm}^3$
- (3)  $960 \text{ cm}^3$

#### 解説

\*直方体と立方体の体積

- 直方体の体積 = 縦 × 横 × 高さ
- 立方体の体積 = 1辺 × 1辺 × 1辺

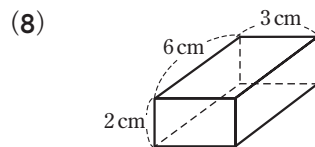
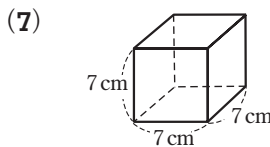


① (1)  $6 \times 4 \times 3 = 72 \text{ (cm}^3\text{)}$

(2)  $3 \times 3 \times 3 = 27 \text{ (cm}^3\text{)}$

(3) cmの単位にそろえる。  
 $0.1 \text{ m} = 10 \text{ cm}$   
 $40 \times 32 \times 10 = 12800 \text{ (cm}^3\text{)}$

(5) mの単位にそろえる。  
 $20 \text{ cm} = 0.2 \text{ m}$   
 $1 \times 0.7 \times 0.2 = 0.14 \text{ (m}^3\text{)}$



② (1)  $6 \times \square \times 12 = 1080 \text{ (cm}^3\text{)}$   
 $\square = 15 \text{ (cm)}$

(2)  $4 \times 4 \times \square = 64 \text{ (cm}^3\text{)}$   
 $\square = 4 \text{ (cm)}$

③ (1)

(2)

(3)