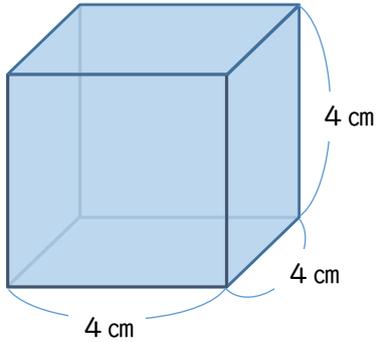


次の立体の体積を求めましょう。

① 立方体

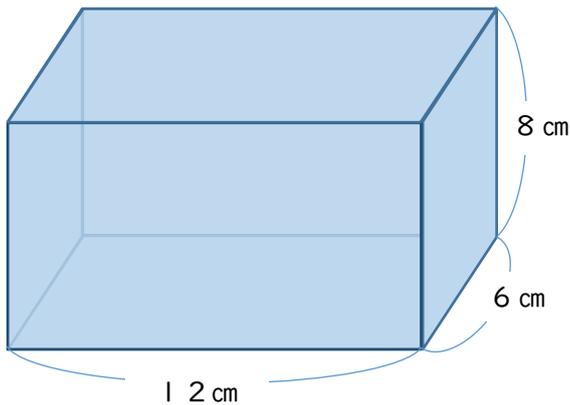


式

$$4 \times 4 \times 4 = 64$$

答え 64 cm<sup>3</sup>

② 直方体

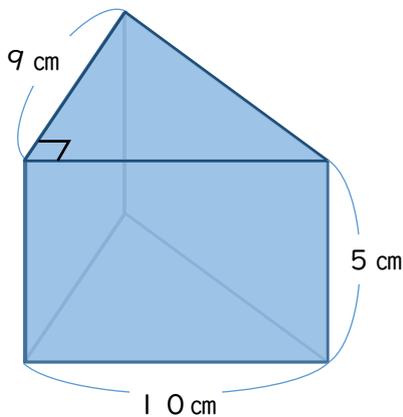


式

$$12 \times 6 \times 8 = 576$$

答え 576 cm<sup>3</sup>

③ 三角柱



式

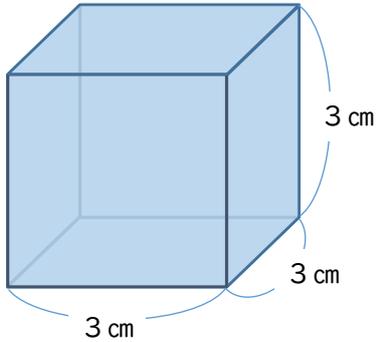
$$10 \times 9 \div 2 \times 5 = 225$$

答え 225 cm<sup>3</sup>



次の立体の体積を求めましょう。

① 立方体

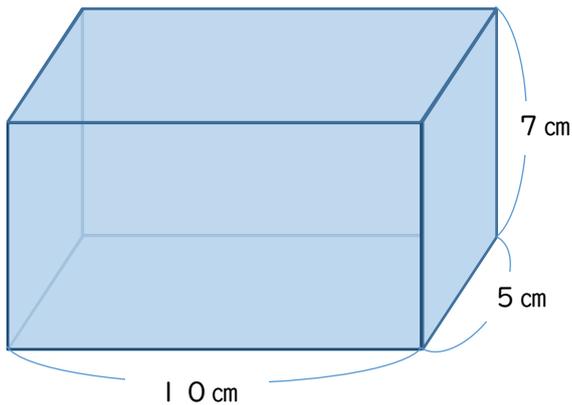


式

$$3 \times 3 \times 3 = 27$$

答え 27 cm<sup>3</sup>

② 直方体

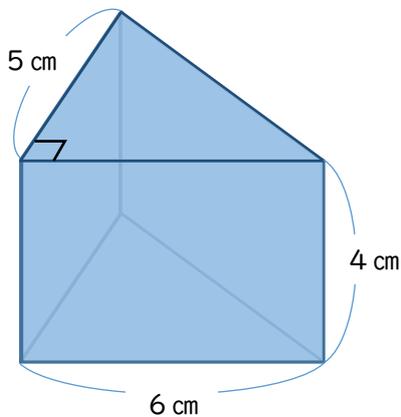


式

$$10 \times 5 \times 7 = 350$$

答え 350 cm<sup>3</sup>

③ 三角柱



式

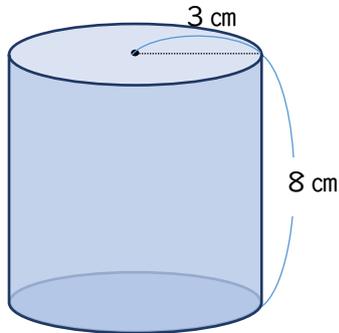
$$6 \times 5 \div 2 \times 4 = 60$$

答え 60 cm<sup>3</sup>



次の立体の体積を求めましょう。

① 円柱

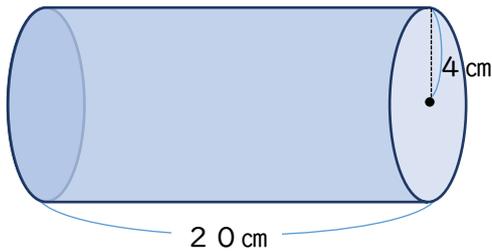


式

$$3 \times 3 \times 3.14 \times 8 = 226.08$$

答え 226.08 cm<sup>3</sup>

②

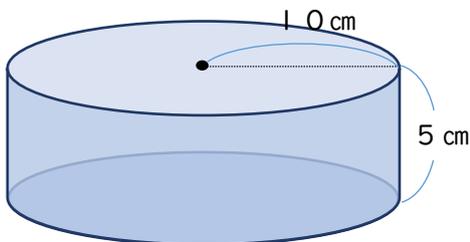


式

$$4 \times 4 \times 3.14 \times 20 = 1004.8$$

答え 1004.8 cm<sup>3</sup>

③



式

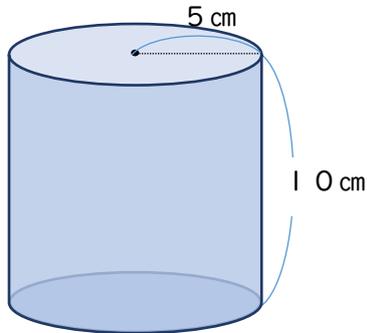
$$10 \times 10 \times 3.14 \times 5 = 1570$$

答え 1570 cm<sup>3</sup>



次の立体の体積を求めましょう。

① 円柱

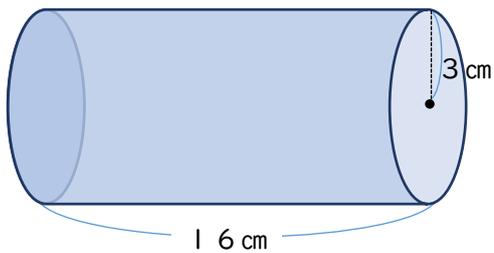


式

$$\begin{aligned} & 5 \times 5 \times 3.14 \times 10 \\ & = 250 \times 3.14 \\ & = 785 \end{aligned}$$

答え 785 cm<sup>3</sup>

②

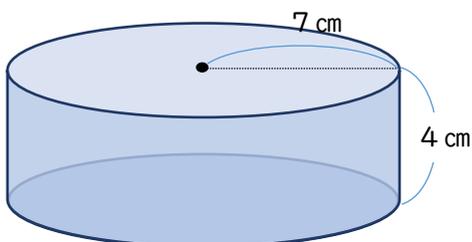


式

$$\begin{aligned} & 3 \times 3 \times 3.14 \times 16 \\ & = 144 \times 3.14 \\ & = 452.16 \end{aligned}$$

答え 452.16 cm<sup>3</sup>

③



式

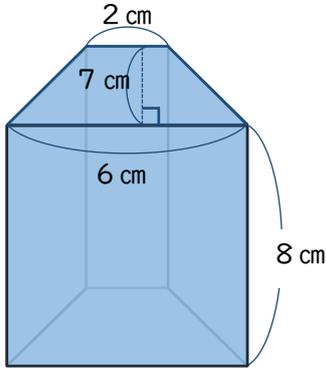
$$7 \times 7 \times 3.14 \times 4 = 615.44$$

答え 615.44 cm<sup>3</sup>



次の立体の体積を求めましょう。

①

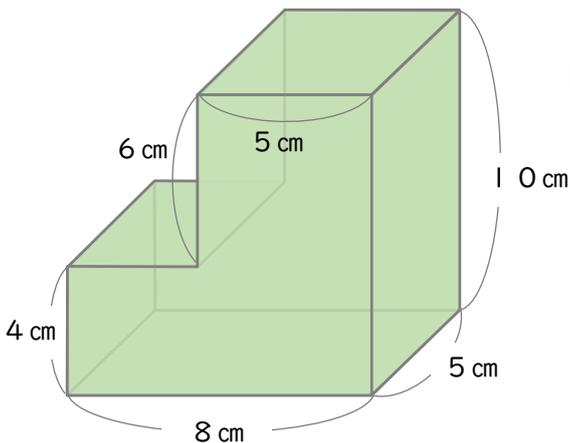


式

$$(2 + 6) \times 7 \div 2 \times 8 = 224$$

答え 224 cm<sup>3</sup>

② 直方体の一部が欠けています。

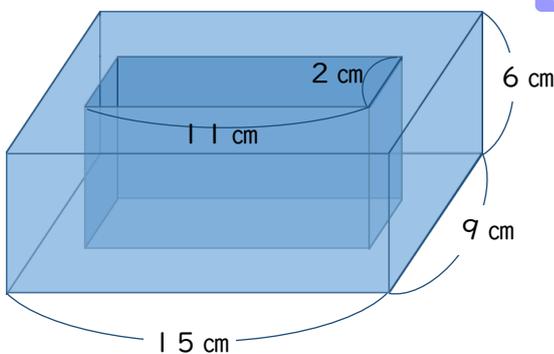


式

$$8 \times 5 \times 10 - (8 - 5) \times 5 \times 6 = 310$$

答え 310 cm<sup>3</sup>

③ 直方体の中心部が空洞になっています。



式

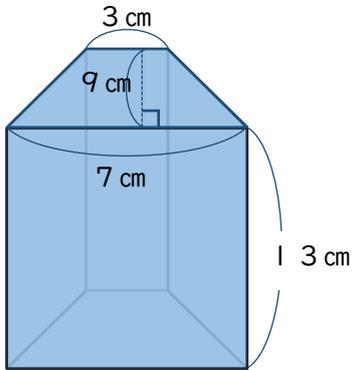
$$\begin{aligned} & 15 \times 9 \times 6 - 11 \times 2 \times 6 \\ & = 135 \times 6 - 22 \times 6 \\ & = 113 \times 6 \\ & = 678 \end{aligned}$$

答え 678 cm<sup>3</sup>



次の立体の体積を求めましょう。

①

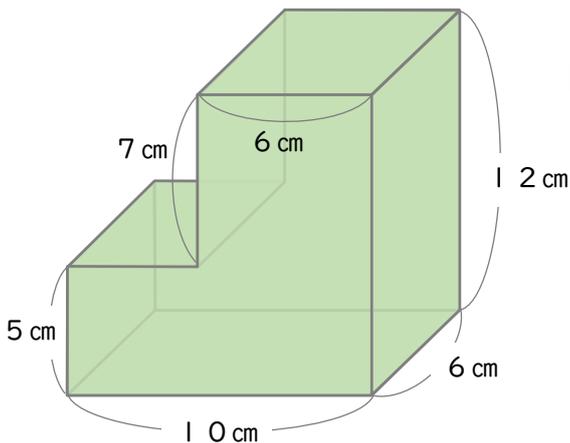


式

$$(3+7) \times 9 \div 2 \times 13 = 585$$

答え 585 cm<sup>3</sup>

② 直方体の一部が欠けています。

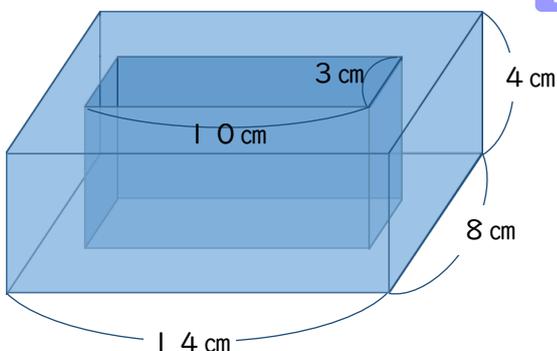


式

$$\begin{aligned} &10 \times 6 \times 12 - (10-6) \times 6 \times 7 \\ &= 720 - 168 \\ &= 552 \end{aligned}$$

答え 552 cm<sup>3</sup>

③ 直方体の中心部が空洞になっています。



式

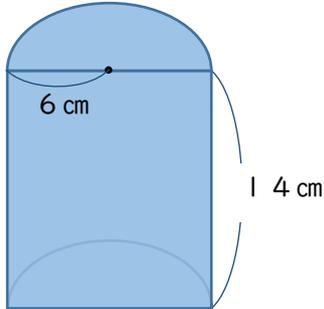
$$\begin{aligned} &14 \times 8 \times 4 - 10 \times 3 \times 4 \\ &= 112 \times 4 - 30 \times 4 \\ &= 82 \times 4 \\ &= 328 \end{aligned}$$

答え 328 cm<sup>3</sup>



次の立体の体積を求めましょう。

①

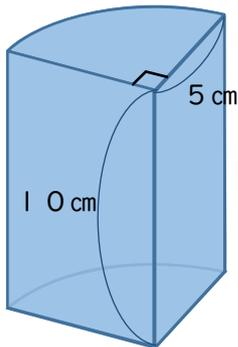


式

$$\begin{aligned} & 6 \times 6 \times 3.14 \div 2 \times 4 \\ & = 36 \times 3.14 \div 2 \times 4 \\ & = 36 \times 7 \times 3.14 \\ & = 791.28 \end{aligned}$$

答え 791.28 cm<sup>3</sup>

②

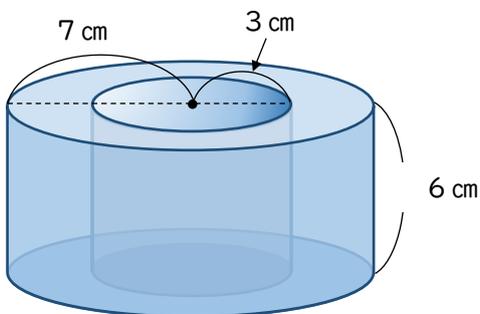


式

$$\begin{aligned} & 5 \times 5 \times 3.14 \div 4 \times 10 \\ & = 25 \times 3.14 \div 4 \times 10 \\ & = 62.5 \times 3.14 \\ & = 196.25 \end{aligned}$$

答え 196.25 cm<sup>3</sup>

③ 円柱の中心部分が空洞になっています。



式

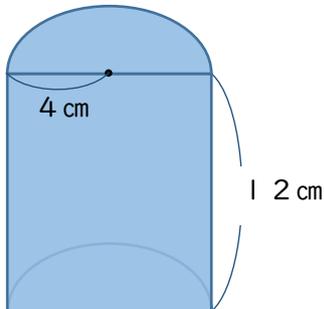
$$\begin{aligned} & (7 \times 7 \times 3.14 - 3 \times 3 \times 3.14) \times 6 \\ & = (49 - 9) \times 3.14 \times 6 \\ & = 240 \times 3.14 \\ & = 753.6 \end{aligned}$$

答え 753.6 cm<sup>3</sup>



次の立体の体積を求めましょう。

①

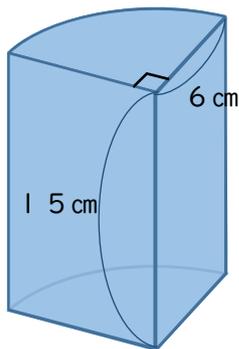


式

$$\begin{aligned} & 4 \times 4 \times 3.14 \div 2 \times 12 \\ & = 16 \times 3.14 \div 2 \times 12 \\ & = 96 \times 3.14 \\ & = 301.44 \end{aligned}$$

答え 301.44 cm<sup>3</sup>

②

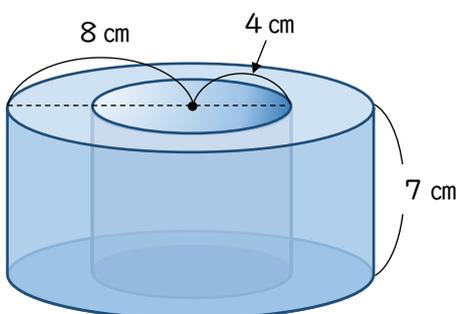


式

$$\begin{aligned} & 6 \times 6 \times 3.14 \div 4 \times 15 \\ & = 36 \times 3.14 \div 4 \times 15 \\ & = 135 \times 3.14 \\ & = 423.9 \end{aligned}$$

答え 423.9 cm<sup>3</sup>

③ 円柱の中心部分が空洞になっています。



式

$$\begin{aligned} & (8 \times 8 \times 3.14 - 4 \times 4 \times 3.14) \times 7 \\ & = 48 \times 3.14 \times 7 \\ & = 336 \times 3.14 \\ & = 1055.04 \end{aligned}$$

答え 1055.04 cm<sup>3</sup>

