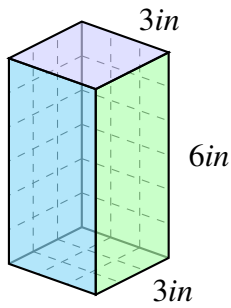


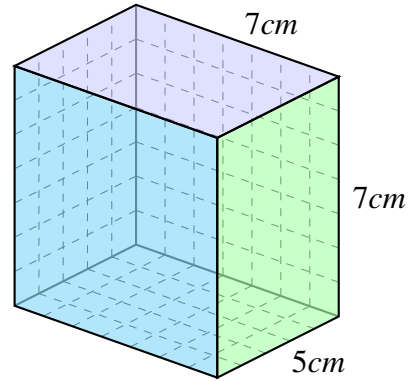
# Volume and surface area of prisms (A)

Find the volume and surface area of each prism.



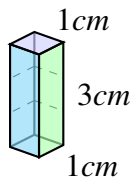
V: \_\_\_\_\_

SA: \_\_\_\_\_



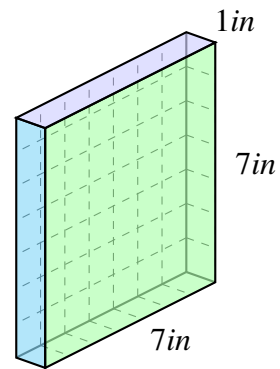
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

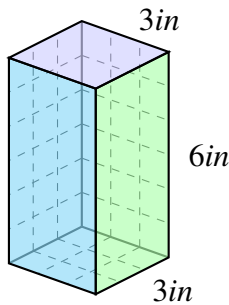


V: \_\_\_\_\_

SA: \_\_\_\_\_

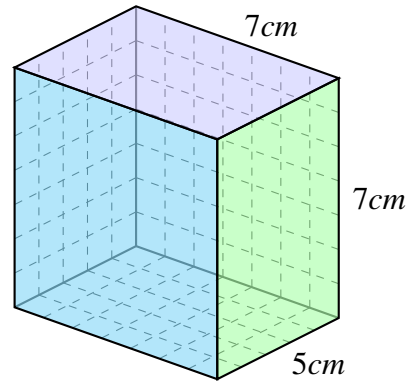
# Volume and surface area of prisms (A) Answers

Find the volume and surface area of each prism.



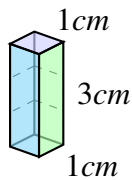
$$V: 3in \times 3 \times 6in = 54in^3$$

$$SA: 2 \times (9 + 18 + 18)in = 90in^2$$



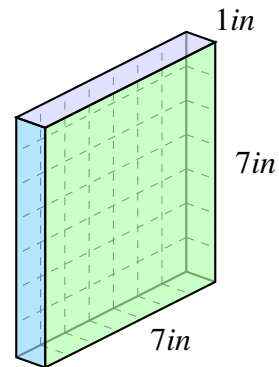
$$V: 5cm \times 7 \times 7cm = 245cm^3$$

$$SA: 2 \times (35 + 49 + 35)cm = 238cm^2$$



$$V: 1cm \times 1 \times 3cm = 3cm^3$$

$$SA: 2 \times (1 + 3 + 3)cm = 14cm^2$$

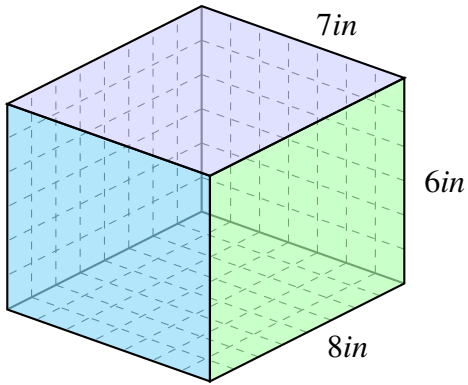


$$V: 7in \times 1 \times 7in = 49in^3$$

$$SA: 2 \times (7 + 7 + 49)in = 126in^2$$

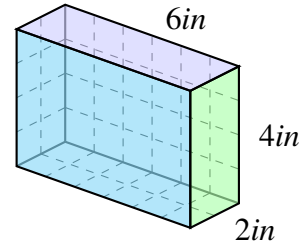
## Volume and surface area of prisms (B)

Find the volume and surface area of each prism.



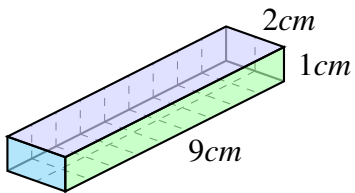
V: \_\_\_\_\_

SA: \_\_\_\_\_



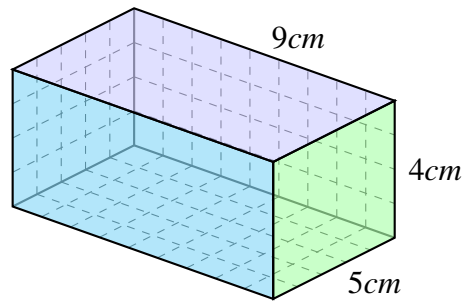
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

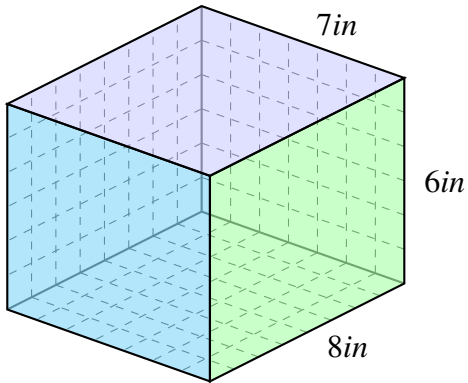


V: \_\_\_\_\_

SA: \_\_\_\_\_

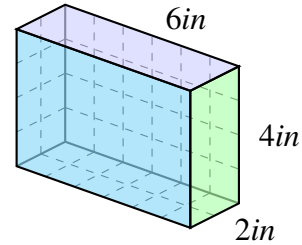
## Volume and surface area of prisms (B) Answers

Find the volume and surface area of each prism.



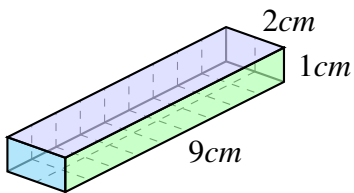
$$V: 8in \times 7 \times 6in = 336in^3$$

$$SA: 2 \times (56 + 42 + 48)in = 292in^2$$



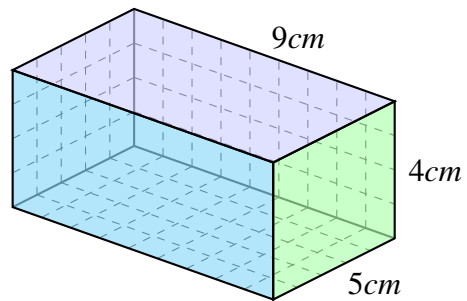
$$V: 2in \times 6 \times 4in = 48in^3$$

$$SA: 2 \times (12 + 24 + 8)in = 88in^2$$



$$V: 9cm \times 2 \times 1cm = 18cm^3$$

$$SA: 2 \times (18 + 2 + 9)cm = 58cm^2$$

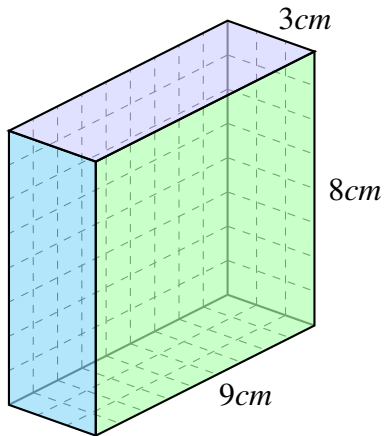


$$V: 5cm \times 9 \times 4cm = 180cm^3$$

$$SA: 2 \times (45 + 36 + 20)cm = 202cm^2$$

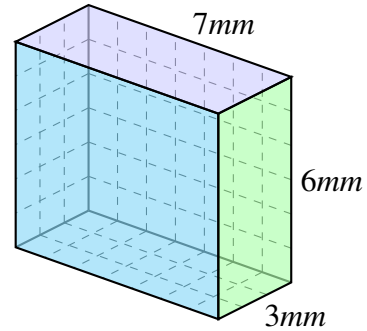
## Volume and surface area of prisms (C)

Find the volume and surface area of each prism.



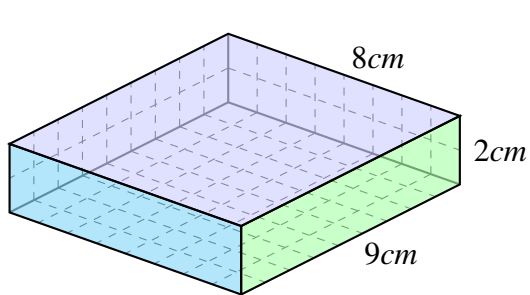
V: \_\_\_\_\_

SA: \_\_\_\_\_



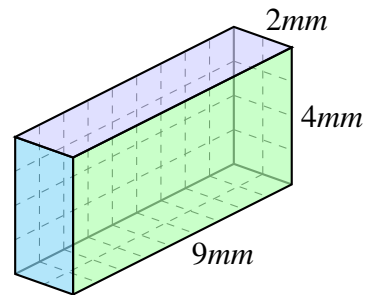
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

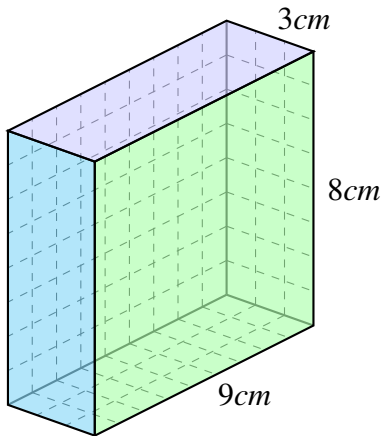


V: \_\_\_\_\_

SA: \_\_\_\_\_

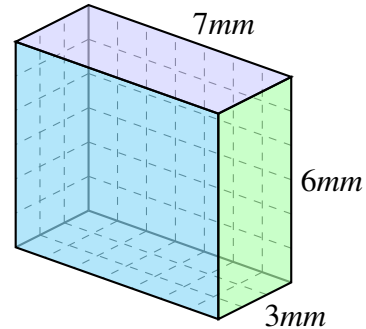
## Volume and surface area of prisms (C) Answers

Find the volume and surface area of each prism.



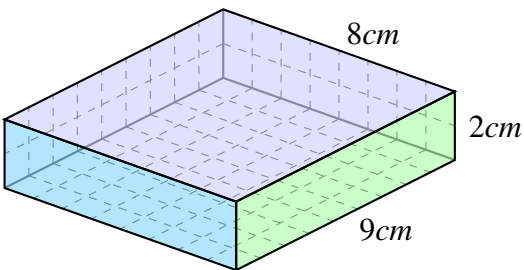
$$V: 9\text{cm} \times 3 \times 8\text{cm} = 216\text{cm}^3$$

$$SA: 2 \times (27 + 24 + 72)\text{cm} = 246\text{cm}^2$$



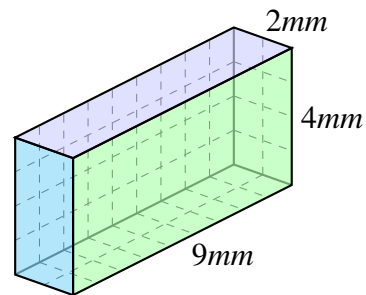
$$V: 3\text{mm} \times 7 \times 6\text{mm} = 126\text{mm}^3$$

$$SA: 2 \times (21 + 42 + 18)\text{mm} = 162\text{mm}^2$$



$$V: 9\text{cm} \times 8 \times 2\text{cm} = 144\text{cm}^3$$

$$SA: 2 \times (72 + 16 + 18)\text{cm} = 212\text{cm}^2$$

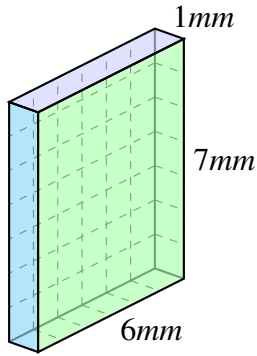


$$V: 9\text{mm} \times 2 \times 4\text{mm} = 72\text{mm}^3$$

$$SA: 2 \times (18 + 8 + 36)\text{mm} = 124\text{mm}^2$$

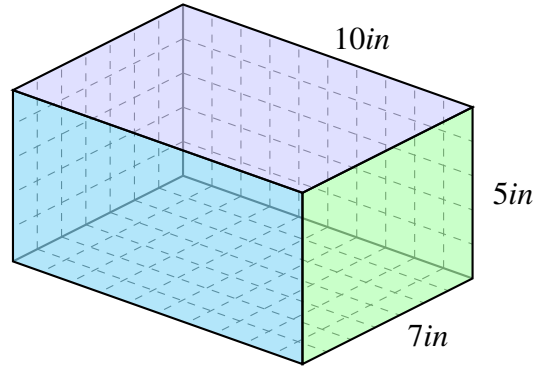
## Volume and surface area of prisms (D)

Find the volume and surface area of each prism.



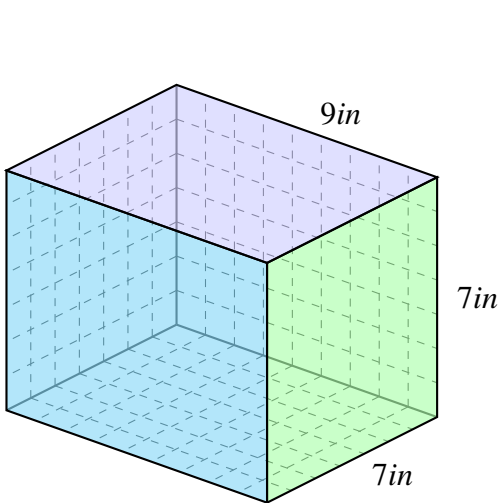
V: \_\_\_\_\_

SA: \_\_\_\_\_



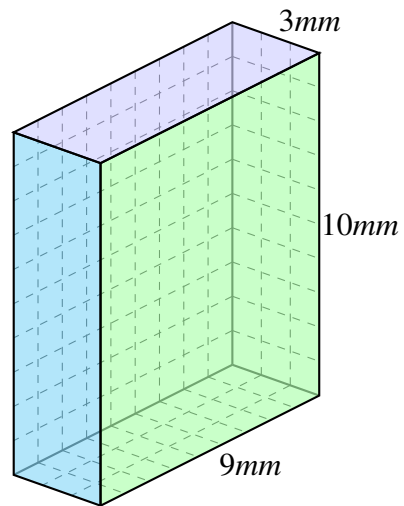
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

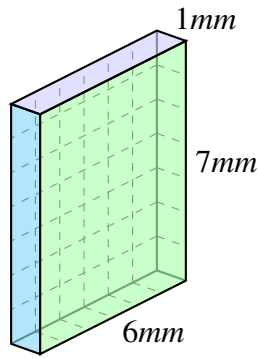


V: \_\_\_\_\_

SA: \_\_\_\_\_

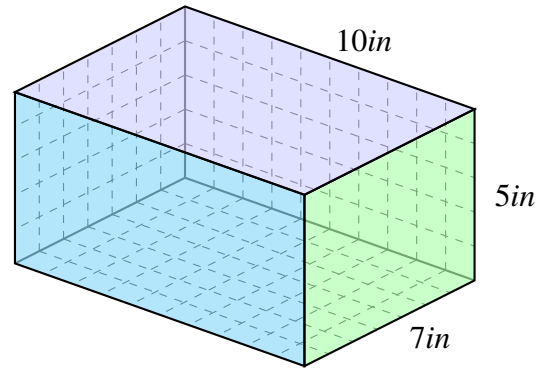
## Volume and surface area of prisms (D) Answers

Find the volume and surface area of each prism.



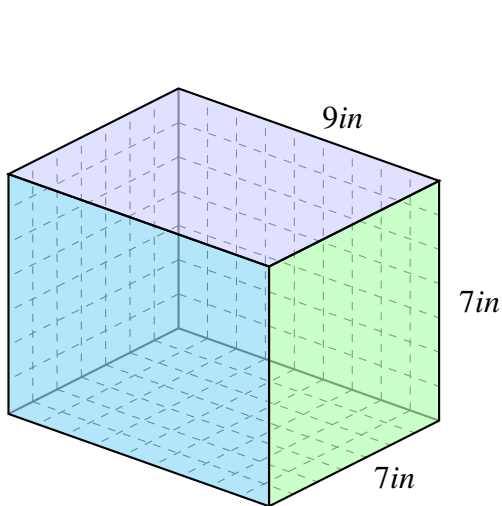
$$V: 6mm \times 1 \times 7mm = 42mm^3$$

$$SA: 2 \times (6 + 7 + 42)mm = 110mm^2$$



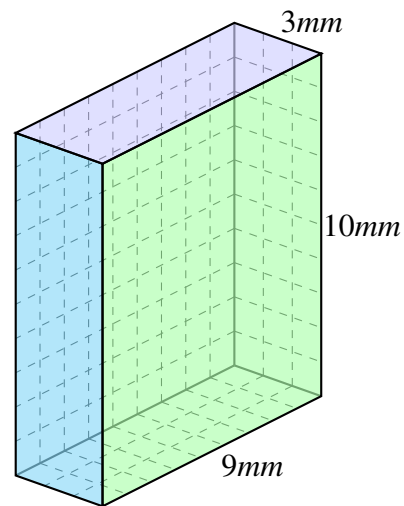
$$V: 7in \times 10 \times 5in = 350in^3$$

$$SA: 2 \times (70 + 50 + 35)in = 310in^2$$



$$V: 7in \times 9 \times 7in = 441in^3$$

$$SA: 2 \times (63 + 63 + 49)in = 350in^2$$



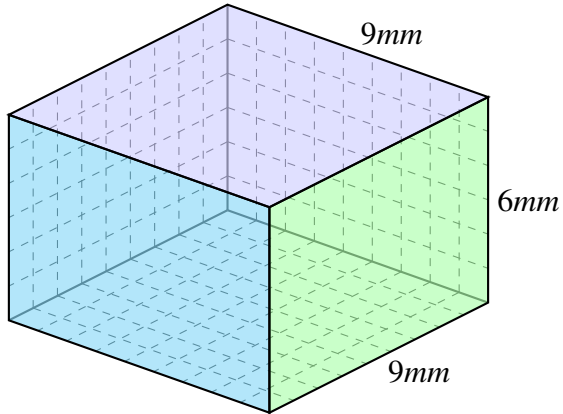
$$V: 9mm \times 3 \times 10mm = 270mm^3$$

$$SA: 2 \times (27 + 30 + 90)mm = 294mm^2$$



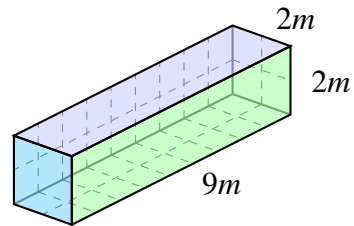
## Volume and surface area of prisms (E)

Find the volume and surface area of each prism.



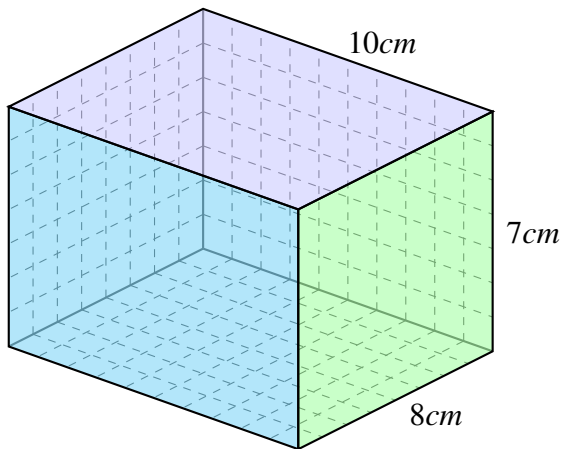
V: \_\_\_\_\_

SA: \_\_\_\_\_



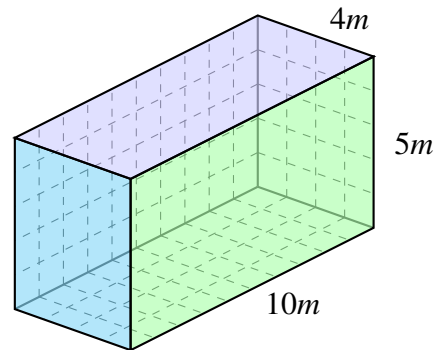
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

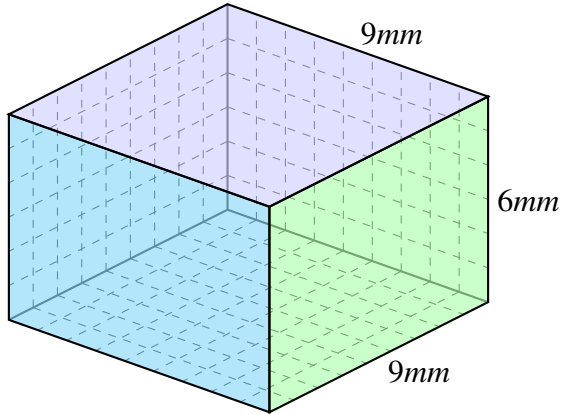


V: \_\_\_\_\_

SA: \_\_\_\_\_

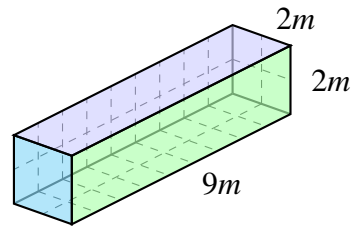
## Volume and surface area of prisms (E) Answers

Find the volume and surface area of each prism.



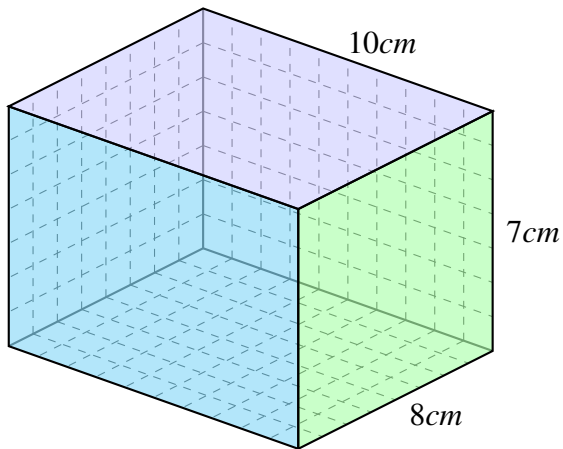
$$V: 9mm \times 9 \times 6mm = 486mm^3$$

$$SA: 2 \times (81 + 54 + 54)mm = 378mm^2$$



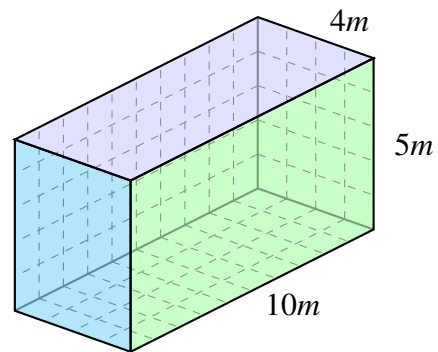
$$V: 9m \times 2 \times 2m = 36m^3$$

$$SA: 2 \times (18 + 4 + 18)m = 80m^2$$



$$V: 8cm \times 10 \times 7cm = 560cm^3$$

$$SA: 2 \times (80 + 70 + 56)cm = 412cm^2$$

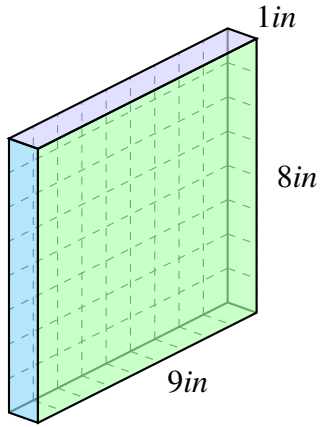


$$V: 10m \times 4 \times 5m = 200m^3$$

$$SA: 2 \times (40 + 20 + 50)m = 220m^2$$

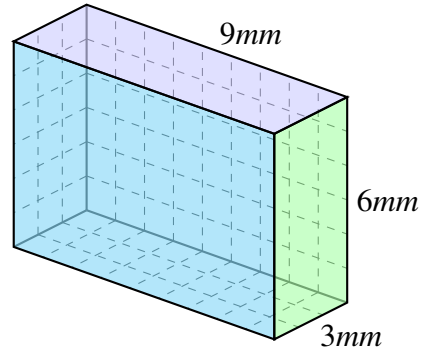
# Volume and surface area of prisms (F)

Find the volume and surface area of each prism.



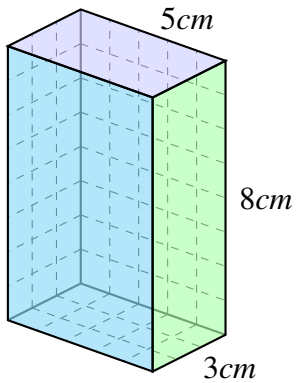
V: \_\_\_\_\_

SA: \_\_\_\_\_



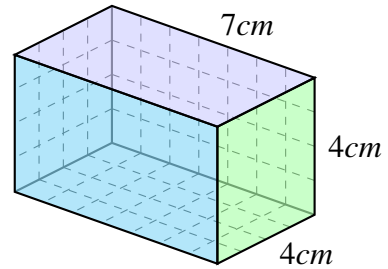
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

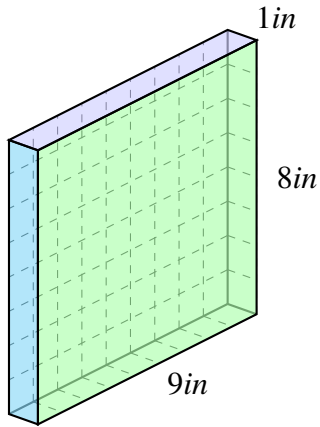


V: \_\_\_\_\_

SA: \_\_\_\_\_

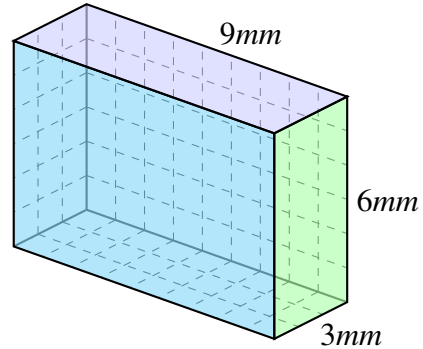
## Volume and surface area of prisms (F) Answers

Find the volume and surface area of each prism.



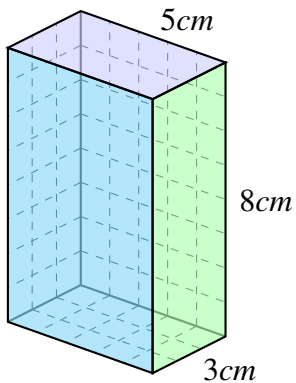
$$V: 9in \times 1 \times 8in = 72in^3$$

$$SA: 2 \times (9 + 8 + 72)in = 178in^2$$



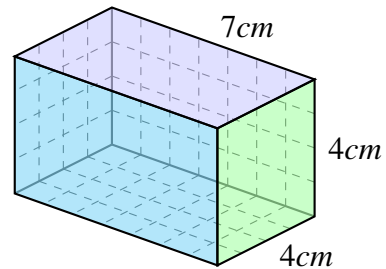
$$V: 3mm \times 9 \times 6mm = 162mm^3$$

$$SA: 2 \times (27 + 54 + 18)mm = 198mm^2$$



$$V: 3cm \times 5 \times 8cm = 120cm^3$$

$$SA: 2 \times (15 + 40 + 24)cm = 158cm^2$$

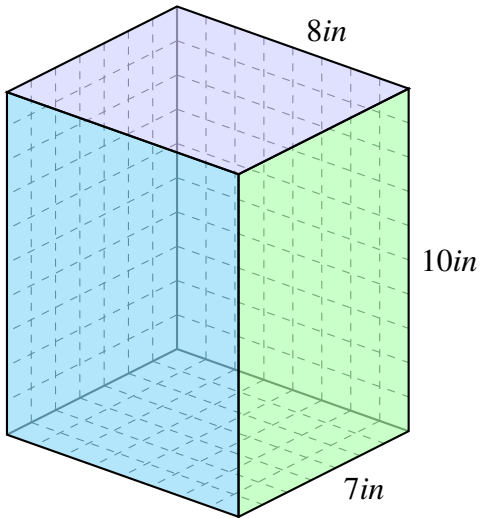


$$V: 4cm \times 7 \times 4cm = 112cm^3$$

$$SA: 2 \times (28 + 28 + 16)cm = 144cm^2$$

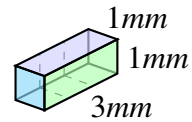
# Volume and surface area of prisms (G)

Find the volume and surface area of each prism.



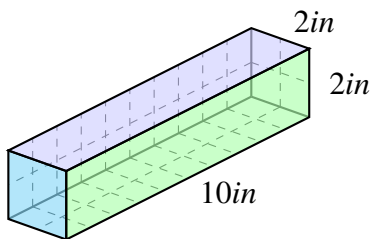
V: \_\_\_\_\_

SA: \_\_\_\_\_



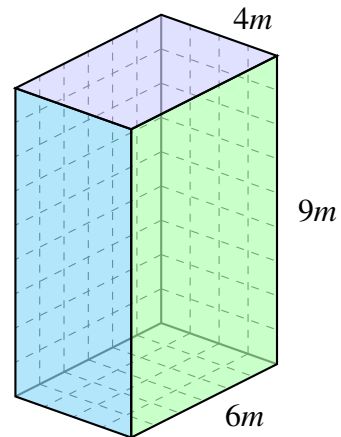
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

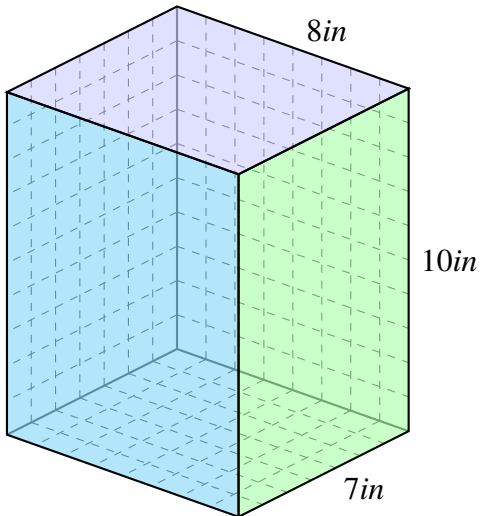


V: \_\_\_\_\_

SA: \_\_\_\_\_

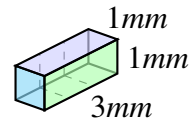
# Volume and surface area of prisms (G) Answers

Find the volume and surface area of each prism.



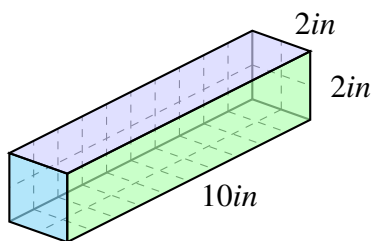
$$V: 7in \times 8 \times 10in = 560in^3$$

$$SA: 2 \times (56 + 80 + 70)in = 412in^2$$



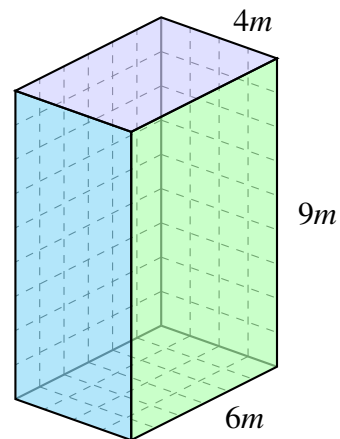
$$V: 3mm \times 1 \times 1mm = 3mm^3$$

$$SA: 2 \times (3 + 1 + 3)mm = 14mm^2$$



$$V: 10in \times 2 \times 2in = 40in^3$$

$$SA: 2 \times (20 + 4 + 20)in = 88in^2$$

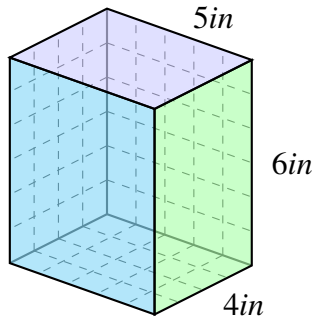


$$V: 6m \times 4 \times 9m = 216m^3$$

$$SA: 2 \times (24 + 36 + 54)m = 228m^2$$

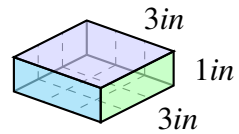
# Volume and surface area of prisms (H)

Find the volume and surface area of each prism.



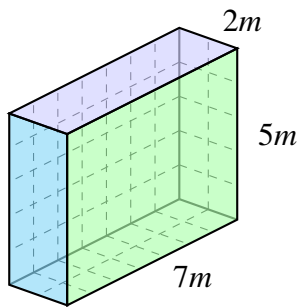
V: \_\_\_\_\_

SA: \_\_\_\_\_



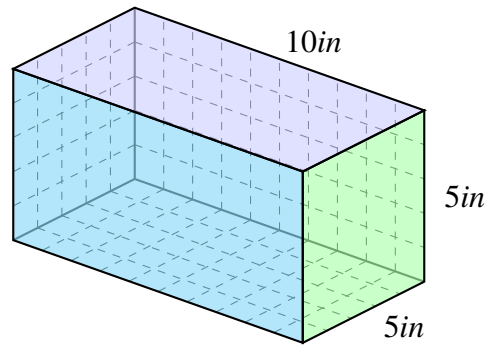
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

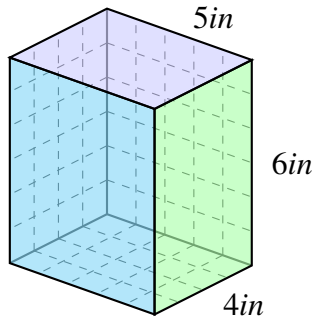


V: \_\_\_\_\_

SA: \_\_\_\_\_

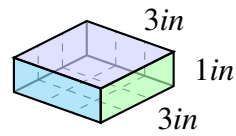
# Volume and surface area of prisms (H) Answers

Find the volume and surface area of each prism.



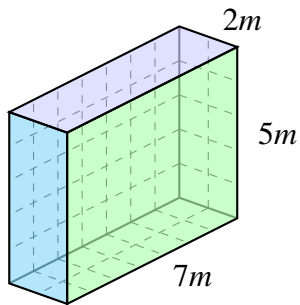
$$V: 4in \times 5 \times 6in = 120in^3$$

$$SA: 2 \times (20 + 30 + 24)in = 148in^2$$



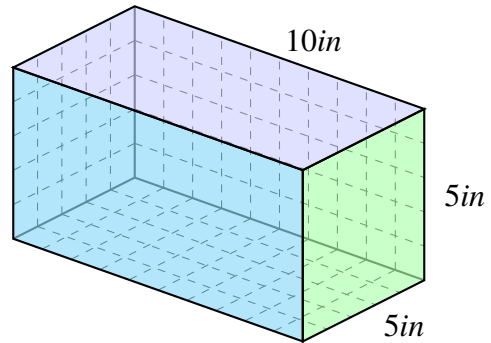
$$V: 3in \times 3 \times 1in = 9in^3$$

$$SA: 2 \times (9 + 3 + 3)in = 30in^2$$



$$V: 7m \times 2 \times 5m = 70m^3$$

$$SA: 2 \times (14 + 10 + 35)m = 118m^2$$



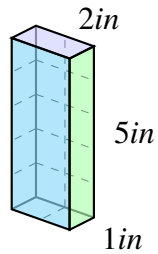
$$V: 5in \times 10 \times 5in = 250in^3$$

$$SA: 2 \times (50 + 50 + 25)in = 250in^2$$



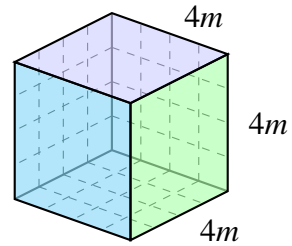
# Volume and surface area of prisms (I)

Find the volume and surface area of each prism.



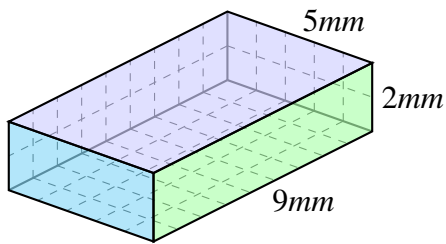
V: \_\_\_\_\_

SA: \_\_\_\_\_



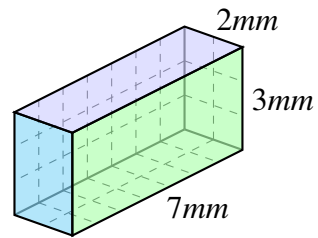
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

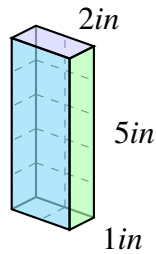


V: \_\_\_\_\_

SA: \_\_\_\_\_

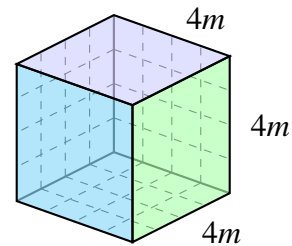
## Volume and surface area of prisms (I) Answers

Find the volume and surface area of each prism.



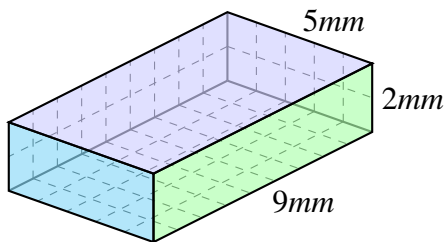
$$V: 1\text{ in} \times 2 \times 5\text{ in} = 10\text{ in}^3$$

$$SA: 2 \times (2 + 10 + 5)\text{ in} = 34\text{ in}^2$$



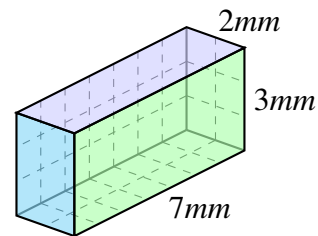
$$V: 4\text{ m} \times 4 \times 4\text{ m} = 64\text{ m}^3$$

$$SA: 2 \times (16 + 16 + 16)\text{ m} = 96\text{ m}^2$$



$$V: 9\text{ mm} \times 5 \times 2\text{ mm} = 90\text{ mm}^3$$

$$SA: 2 \times (45 + 10 + 18)\text{ mm} = 146\text{ mm}^2$$

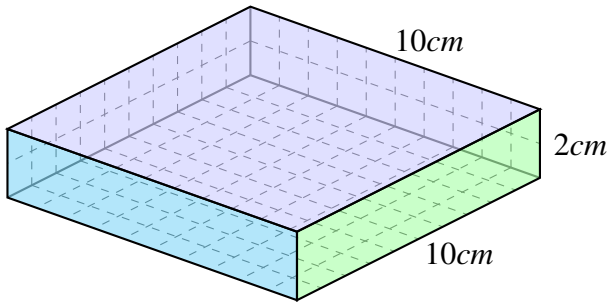


$$V: 7\text{ mm} \times 2 \times 3\text{ mm} = 42\text{ mm}^3$$

$$SA: 2 \times (14 + 6 + 21)\text{ mm} = 82\text{ mm}^2$$

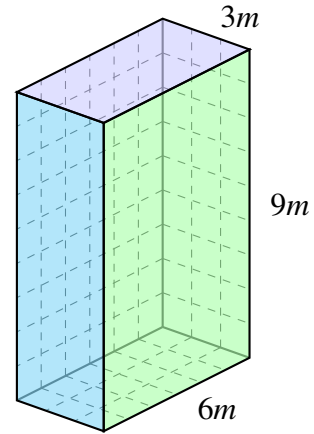
# Volume and surface area of prisms (J)

Find the volume and surface area of each prism.



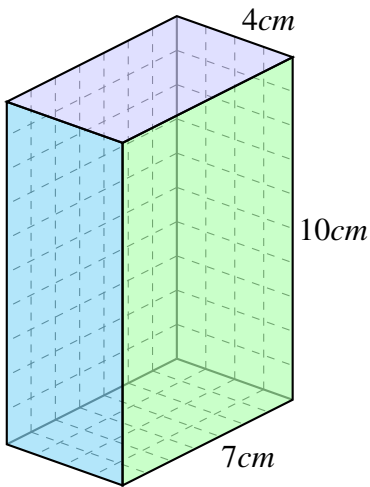
V: \_\_\_\_\_

SA: \_\_\_\_\_



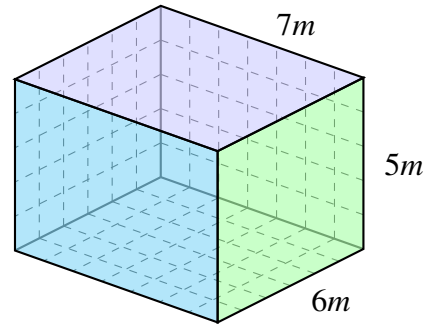
V: \_\_\_\_\_

SA: \_\_\_\_\_



V: \_\_\_\_\_

SA: \_\_\_\_\_

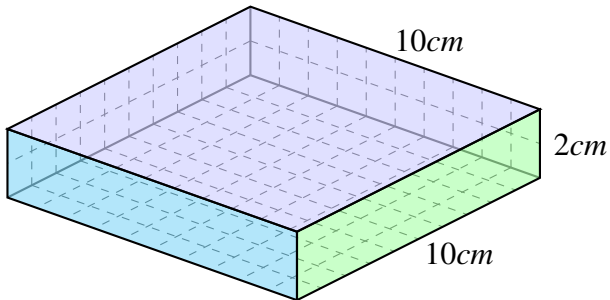


V: \_\_\_\_\_

SA: \_\_\_\_\_

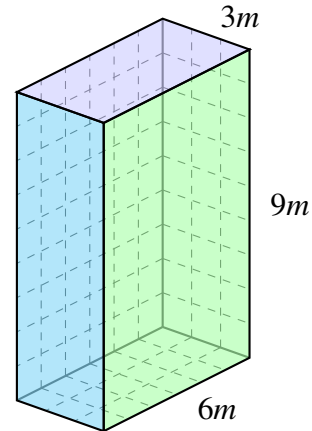
## Volume and surface area of prisms (J) Answers

Find the volume and surface area of each prism.



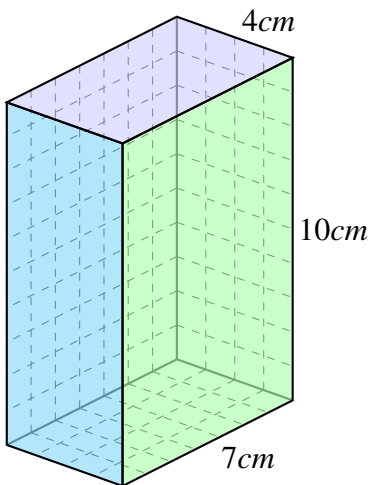
$$V: 10\text{cm} \times 10 \times 2\text{cm} = 200\text{cm}^3$$

$$SA: 2 \times (100 + 20 + 20)\text{cm} = 280\text{cm}^2$$



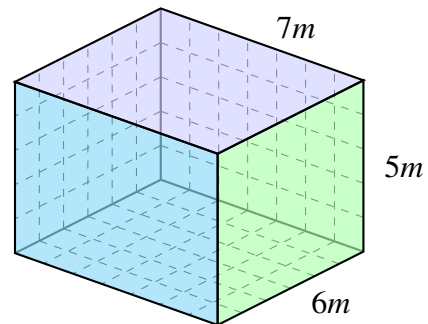
$$V: 6\text{m} \times 3 \times 9\text{m} = 162\text{m}^3$$

$$SA: 2 \times (18 + 27 + 54)\text{m} = 198\text{m}^2$$



$$V: 7\text{cm} \times 4 \times 10\text{cm} = 280\text{cm}^3$$

$$SA: 2 \times (28 + 40 + 70)\text{cm} = 276\text{cm}^2$$



$$V: 6\text{m} \times 7 \times 5\text{m} = 210\text{m}^3$$

$$SA: 2 \times (42 + 35 + 30)\text{m} = 214\text{m}^2$$