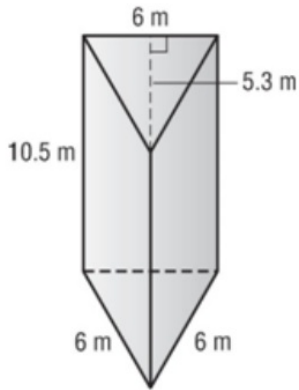


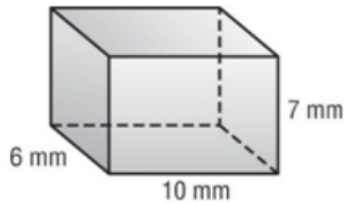
Find the volume of each figure

22.



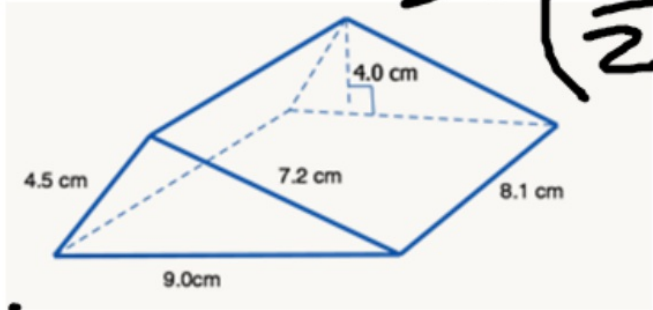
$$\frac{(5.3)(6)}{2} = 15.9 \leftarrow B$$
$$V = 15.9 \times 10.5 = \underline{166.95 \text{ m}^3}$$

23.



$$7 \times 10 \times 6 = 420 \text{ mm}^3$$

Find the surface area



24.

$$2 \left( \frac{1}{2} (9)(4) \right)$$

$$= 36 \text{ cm}^2$$

$$58.32$$

$$36.45$$

$$+ 72.9$$

---

$$203.67 \text{ cm}^2$$

$$\begin{aligned} (7.2)(8.1) &= \\ (4.5)(8.1) &= \\ (9.0)(8.1) &= \end{aligned}$$

$$21 - 0 = 21$$

Find the mean, median, mode, range, first and third quartiles, and the interquartile range

25.

0, 0, 0, 2, 5, 5, 7, 8, 10, 12, 12, 13, 16, 16, 17, 18, 20, 21

Number of CDs					
12	10	21	7	2	17
5	8	12	<del>0</del>	<del>0</del>	16
18	<del>0</del>	20	13	5	16

11  
Median

$$IQR = 16 - 5 = 11$$

mean  $\frac{182}{18} = 10.\bar{1}$

$$\text{Mean: } 91 + 87 + \dots = \frac{694}{8} = 86.75$$

26. Serge had the following scores on his math tests last quarter: 91, 87, 89, 82, 100, 81, 92, and 72. Find the mean absolute deviation for the set of data. How many data values are closer than one mean absolute deviation away from the mean?

$$= 87$$

$$-6.25 \quad +6.25 \quad 4 + 0 + 2 + 5 + 13 + 6 + 5 = 15$$



$$\frac{80.5 - 93}{8} = \frac{-12.5}{8} = -1.5625$$

within one standard deviation

$$= \frac{50}{8} = 6.25$$