

Volume of a Frustum - Textbook Answers

Workout

Question 1(a): 324cm^3

Question 1(b): 12cm^3

Question 1(c): 312cm^3

Question 2(a): 520cm^3

Question 2(b): 366cm^3

Question 2(c): 84cm^3

Question 2(d): $6933.33\dots\text{cm}^3$

Question 2(e): 38.542 cm^3

Question 2(f): 1092cm^3

Question 2(g): 3724cm^3

Question 2(h): 7.8cm^3

Question 3(a): $2094.395\dots\text{ cm}^3$

Question 3(b): $261.799\dots\text{ cm}^3$

Question 3(c): 1832.6cm^3

Question 4(a): 791.68cm^3

Question 4(b): 4535.67cm^3

Question 4(c): 716.28cm^3

Question 4(d): 1669.95cm^3

Question 4(e): 450.295cm^3

Question 4(f): 428.827mm^3

Question 4(g): 1743.58cm^3

Question 4(h): 923.63cm^3

Question 5(a): 8cm

Question 5(b): 263.89cm^3

Question 6(a): 153.31cm^3

Question 6(b): 5085.45cm^3

Question 6(c): 17421cm^3

Apply

Question 1(a): 480cm^3

Question 1(b): 60cm^3

Question 1(c): 420cm^3

Question 1(d): $480 \div 8 = 60\text{cm}^3$

Question 1(e): $480 \div 8 = 60$ $60 \times 7 = 420\text{cm}^3$

Question 2(a): $\frac{1}{64}$

Question 2(b): $\frac{63}{64}$

Question 3: $\frac{98}{125}$

Question 4: 147.0265kg

Question 5: 46.85cm