VOLUME OF PRISMS
SKILLS QUESTIONS

Q1. RECTANGULAR PRISM - Using the dimensions of the fish tank in the table below, calculate the amount (in cm^3 and mL) of water needed to fill the tank.

	Length	Width	Height	Volume of Rectangular Prism	Amount of Water
(a)	50 cm	20 cm	10 cm		
(b)	20 cm	15 cm	12 cm		
(c)	28 cm	20 cm	15 cm		
(d)	1 m	25 cm	20 cm		
(e)	2.5 m	1.3 m	23 cm		

Q2. TRIANGULAR PRISM - Using the dimensions of the Toblerone chocolate bar in the table below, calculate the volume (in cm^3) of chocolate to fill the container.

	Base of Triangle	Height of Triangle	Height / Length of Prism	Volume of Triangular Prism
(a)	20 cm	17 cm	40 cm	
(b)	15 cm	13 cm	60 cm	
(c)	30 cm	26 cm	1 m	
(d)	0.1 m	0.09 m	0.8 m	
(e)	1.5 m	1.3 m	10 m	

Q3. CIRCULAR PRISM (CYLINDER) - Using the dimensions of the cylinders in the table below, calculate the amount (in m^3 and kL) of liquid needed to fill the cylinders.

	Radius	Height	Volume of Cylinder	Amount of Liquid
(a)	5 cm	10 cm		
(b)	8 cm	15 cm		
(c)	0.6 m	2.5 m		
(d)	1.5 m	5.8 m		
(e)	2.5 m	6.9 m		

ANSWERS

Q1. (a) 10000
(b) 3600
(c) 8400
(d) 50000
(e) 747500

Q2. (a) 6800
(b) 5850
(c) 39000
(d) 3600
(e) 9750000

Q3. (a) 0.0008
(b) 0.003
(c) 2.83
(d) 40.98
(e) 135.41