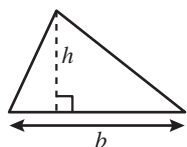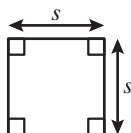# Grade 7 Mathematics Formula Sheet
2016 *Mathematics Standards of Learning*
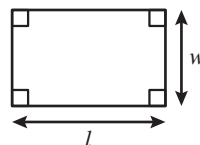
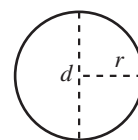## Geometric Formulas

$$A = \frac{1}{2}bh$$

$$p = 4s$$
$$A = s^2$$

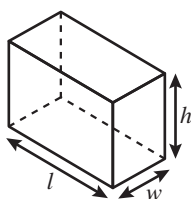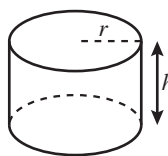$$p = 2l + 2w$$
$$A = lw$$

$$C = 2\pi r$$
$$C = \pi d$$
$$A = \pi r^2$$

$$V = lwh$$
$$S.A. = 2lw + 2lh + 2wh$$

$$V = \pi r^2 h$$
$$S.A. = 2\pi r^2 + 2\pi rh$$

Pi

$$\pi \approx 3.14$$

$$\pi \approx \frac{22}{7}$$

Abbreviations

milligram	mg	ounce	oz	Area	A		
gram	g	pound	lb	Circumference	C		
kilogram	kg	quart	qt	Perimeter	p		
milliliter	mL	gallon	gal.	Surface Area	$S.A.$		
liter	L	inch	in.	Volume	V		
kiloliter	kL	foot	ft				
millimeter	mm	yard	yd				
centimeter	cm	mile	mi.				
meter	m	square inch	sq in.				
kilometer	km	square foot	sq ft				
square centimeter	cm^2	cubic inch	cu in.				
cubic centimeter	cm^3	cubic foot	cu ft				