

# Planilla de referencia de matemáticas para grado 8

## CONVERSIONES

1 yarda = 3 pies  
1 milla = 5,280 pies

1 taza = 8 onzas líquidas  
1 pinta = 2 tazas  
1 cuarto de galón = 2 pintas  
1 galón = 4 cuartos de galón

1 libra = 16 onzas  
1 tonelada = 2,000 libras

## CONVERSIONES ENTRE SISTEMAS DE MEDICIÓN

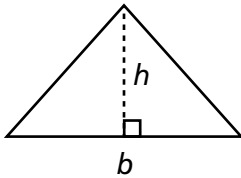
1 pulgada = 2.54 centímetros  
1 metro = 39.37 pulgadas  
1 milla = 1.609 kilómetros  
1 kilómetro = 0.6214 millas

1 galón = 3.785 litros  
1 litro = 0.2642 galones

1 libra = 0.454 kilogramos  
1 kilogramo = 2.2 libras

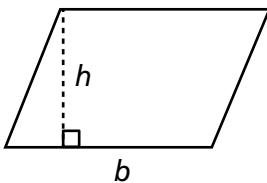
## FÓRMULAS Y FIGURAS

### Triángulo



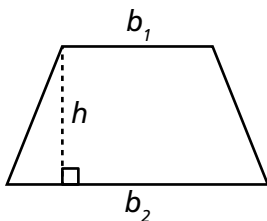
$$A = \frac{1}{2}bh$$

### Paralelogramo



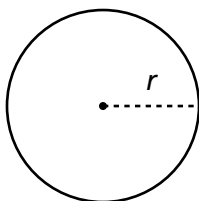
$$A = bh$$

### Trapezio



$$A = \frac{1}{2}h(b_1 + b_2)$$

### Círculo

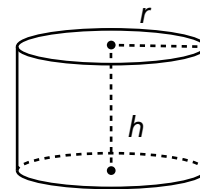


$$C = 2\pi r$$
$$C = \pi d$$
$$A = \pi r^2$$

### Prisma general

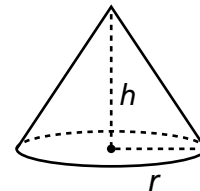
$$V = Bh$$

### Cilindro recto



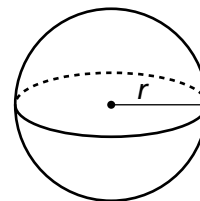
$$V = \pi r^2 h$$

### Cono recto



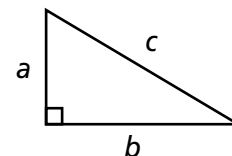
$$V = \frac{1}{3}\pi r^2 h$$

### Esfera



$$V = \frac{4}{3}\pi r^3$$

### Teorema de Pitágoras



$$c^2 = a^2 + b^2$$



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