

DISTRIBUTIVE PROPERTY

$$a(b+c) = ab+ac$$

$$3(5+1)$$
$$3(6)$$
$$\textcircled{18}$$

$$3(5+1)$$
$$15+3$$
$$\textcircled{18}$$

Simplify/Expand

$$7(2+q)$$
$$\textcircled{14+7q}$$

Repeating Decimals

$$\begin{array}{r} 0.31818 \\ 11 \overline{) 3.50000} \\ \underline{-33} \\ 20 \\ \underline{-19} \\ 10 \\ \underline{-9} \\ 10 \\ \underline{-9} \\ 10 \\ \underline{-9} \\ 10 \end{array} \quad 0.3\overline{18}$$

Round $0.3\overline{18}$ to 5 decimal places

$$0.31818\overline{1} \quad \textcircled{0.31818}$$

4 deci places

$$0.3181\overline{8} \quad \textcircled{0.3182}$$

$.3$ ~~\neq~~ $\overline{.3}$

$\begin{array}{r} 3000 \\ : 3333 \dots \end{array}$

Decimal \rightarrow Fraction

$\frac{\#}{\text{place value}}$, reduce if possible

$.002$

$$\frac{2 \div 2}{1000 \div 2} = \left(\frac{1}{500} \right)$$

$.17$

$$\left(\frac{17}{100} \right)$$

Fraction \rightarrow Decimal

$$\frac{n}{d} \quad n \div d \quad d \overline{)n}$$
$$\frac{4}{5} \quad 5 \overline{)4.0} \quad \text{0.8}$$

$$\frac{4}{9} = \text{0.\overline{4}}$$
$$\begin{array}{r} 0.444 \\ 9 \overline{)4.000} \\ \underline{36} \\ 40 \\ \underline{36} \\ 40 \\ \underline{36} \\ 4 \end{array}$$

% → Decimal

$$\% \div 100$$

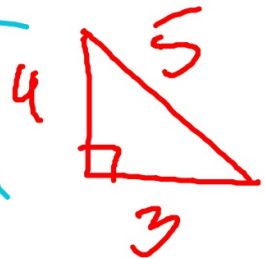
$$75\% \rightarrow .75$$

$$315\% \rightarrow 3.15$$

move decimal
2 x to the
left

AREA OF TRIANGLES

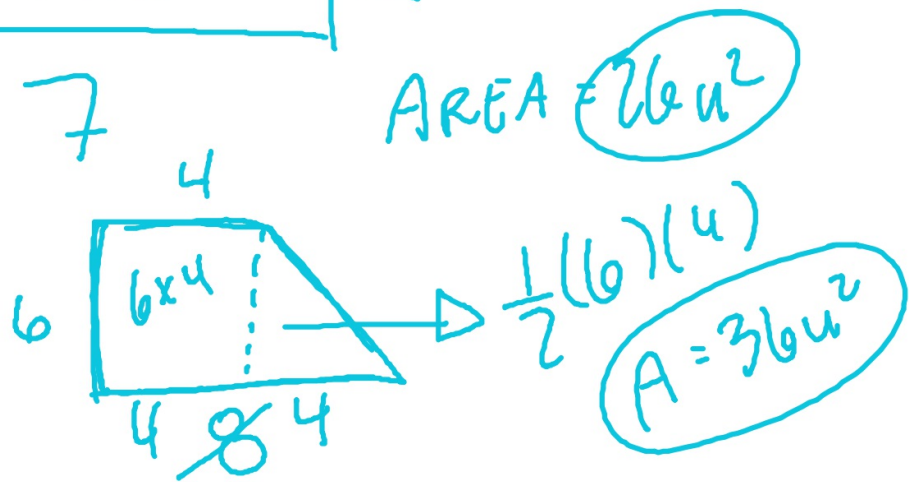
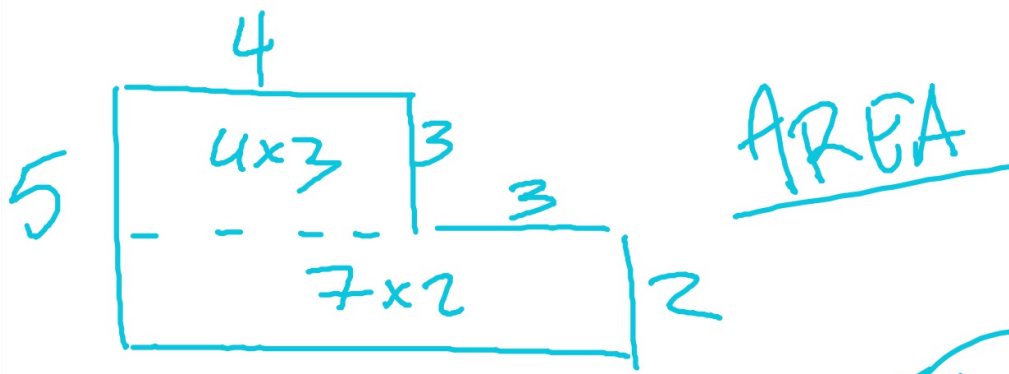
$$A = \frac{bh}{2} \text{ or } \frac{1}{2}bh$$



height and base are
perpendicular

$$\frac{1}{2}(3)(4)$$

(6u²)



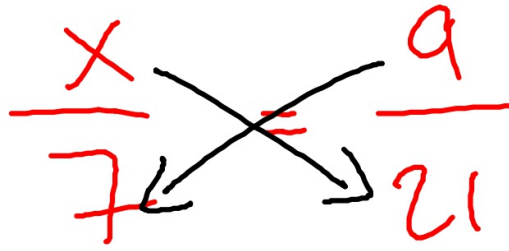
PROPORTIONS

2 equal ratios

$$\frac{1}{2} = \frac{2}{4}$$

if ~~Cross~~ products equal, then it's
a proportion

~~$$\frac{1}{2} \rightarrow \frac{2}{4}$$~~



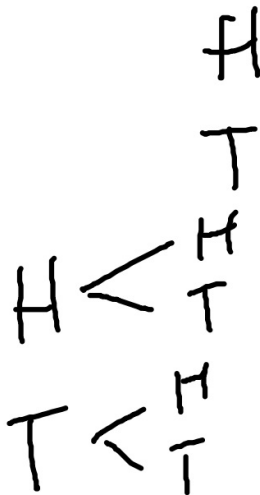
$$Z|x = 63$$

$$x = 63 \div 21$$

$$x = 3$$

SAMPLE SPACE

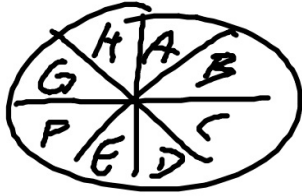
Flip a coin



Flipping 2 coins

	H	T
H	HH	HT
T	TH	TT

Roll # cube
Spin spinner



	A	B	C	D	E	F	G	H
1	1A	1B	1C	1D	1E	1F	1G	1H
2								
3								
4								
5								
6								

