TH-MF Math Fundamentals 1/20

Keep, Change, Flip!

1.) $3 \div \left(\frac{1}{2}\right)$ flip

$\frac{3}{1} * \frac{2}{1} = \frac{6}{1} = \boxed{6}$

2.) $\frac{3}{4} \div \frac{5}{1}$

$\frac{3}{4} * \frac{1}{5} = \boxed{\frac{3}{20}}$

3.) $\frac{2}{3} \div \frac{8}{9}$

$\frac{2}{3} * \frac{9}{8}$ $\div 3$ $\times 3$

$\frac{2}{1} * \frac{3}{8}$ $\div 2$ $\div 2$

$\frac{1}{1} * \frac{3}{4} = \boxed{\frac{3}{4}}$

4.) $2\frac{1}{3} \div 3\frac{1}{4}$

$2\frac{1}{3} \rightarrow \frac{(2*3)+1}{3} = \frac{6+1}{3} = \frac{7}{3}$

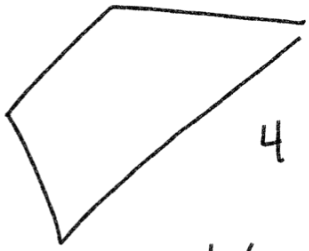
$3\frac{1}{4} \rightarrow \frac{(3*4)+1}{4} = \frac{12+1}{4} = \frac{13}{4}$

$2\frac{1}{3} \div 3\frac{1}{4}$

$\frac{7}{3} \div \frac{13}{4}$

$\frac{7}{3} * \frac{4}{13} = \boxed{\frac{28}{39}}$

Parallel lines never touch



4 sided

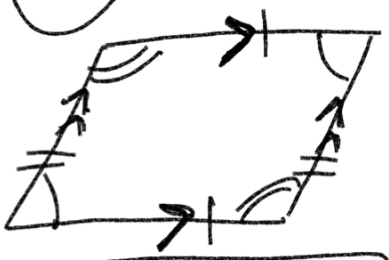
Quadrilateral

no parallels

kite

2

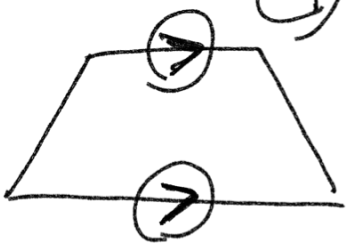
two sets of parallels



opposite sides & angles equal

one set of parallels

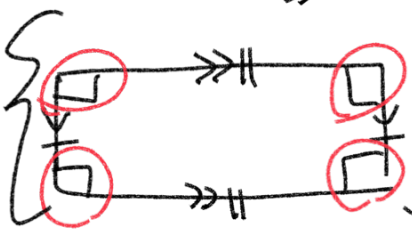
1



trapezoid

parallelogram

equal angles



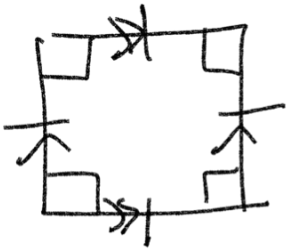
rectangle

equal sides

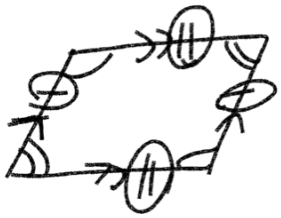
rhombus

all sides & angles equal

square



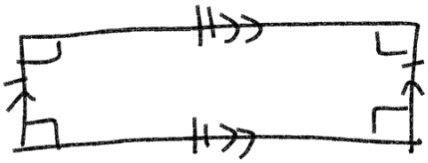
is also
rectangle
rhombus
parallelogram
quadrilateral



Name: Parallelogram

also quadrilateral

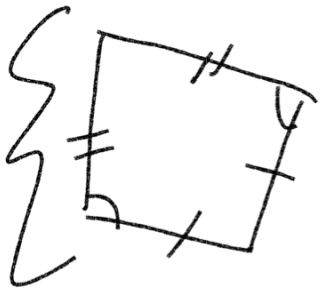
1.)



Name: Rectangle

Also – parallelogram
quadrilateral

2.)

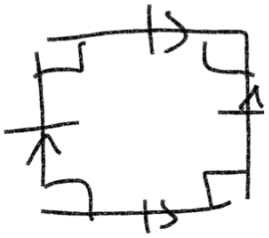


no parallels

Name: kite

Also – quadrilateral

3.)



Name: Square

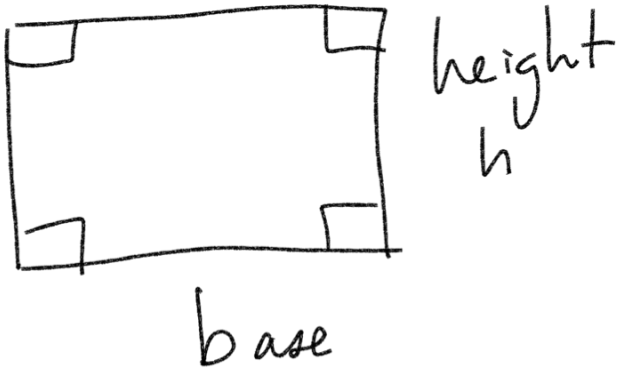
Also – rectangle ✓ equal angles

– rhombus ✓ equal side

– parallelogram ✓ 2 sets of parallels

– quadrilateral → 4 sides

Area



Area = base * height

b

6

	1	2	3	4	5	6
1	1	2	3	4	5	6
2	7	8	9	10	11	12
3	13	14	15	16	17	18
4	19	20	21	22	23	24

4

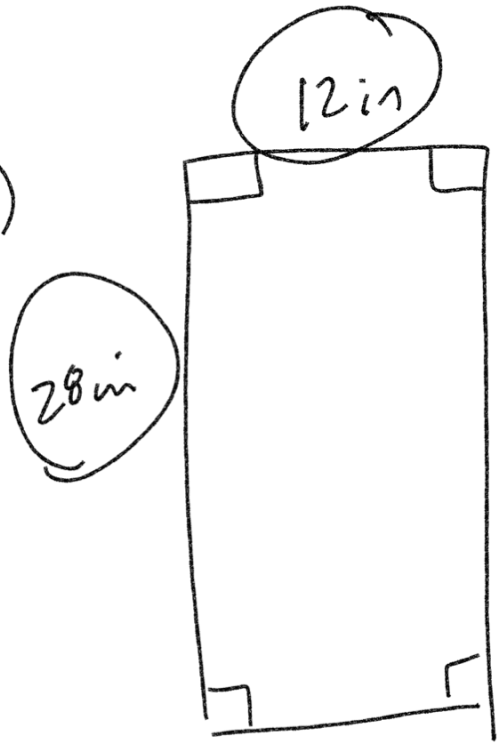
24 square units

24 units^2 "squared"

Area = 6 * 4

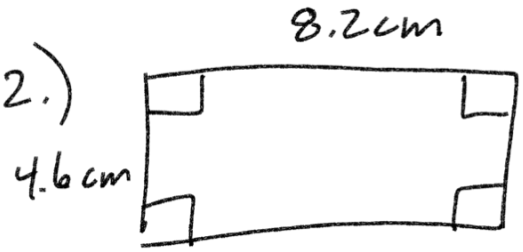
$\boxed{= 24 \text{ units}^2}$

1.)



Area = 28in * 12in = $\boxed{336 \text{ in}^2}$

2.)

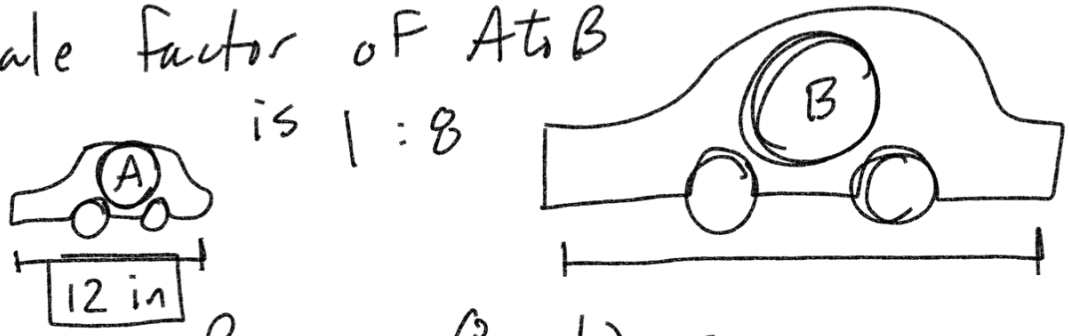


Area = 8.2 cm * 4.6 cm

$$\begin{array}{r} 8.2 \\ \times\ 4.6 \\ \hline 492 \\ 3280 \\ \hline 37.72 \end{array}$$

$\boxed{37.72 \text{ cm}^2}$

The scale factor of A to B is 1 : 8



Means the B is 8 times bigger than A.