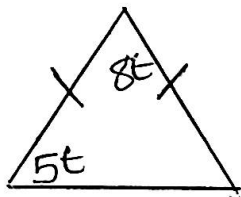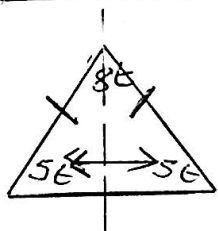Content for Friday 15/5/2020

An Isosceles triangle

1. Calculate the value of the unknown angles

Solution

2 base angles are equal

$5t + 5t + 8t = 180°$

$10t + 8t = 180°$

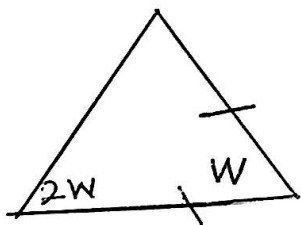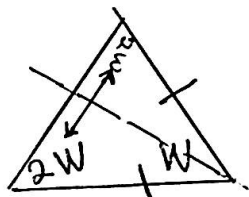$$\frac{18t}{18} = \frac{\overset{10}{\cancel{180°}}}{\cancel{18}}$$

$t = 10°$

Note: In an Isosceles triangle, the two base angles are equal.

2.

Solution

The two bas angles of an Isosceles triangle are equal
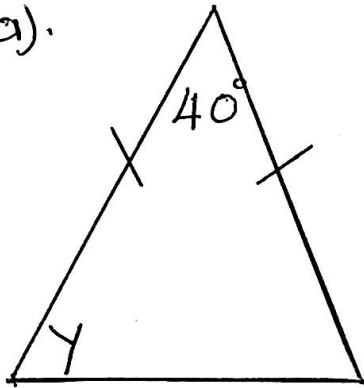
$2W + 2W + W = 180°$

$4W + W = 180°$

$5W = 180°$

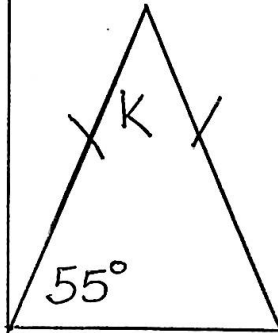$$\frac{\cancel{5}W}{\cancel{5}} = \frac{180°}{5}$$

$W = 36°$

Activity for Friday 15/5/2020

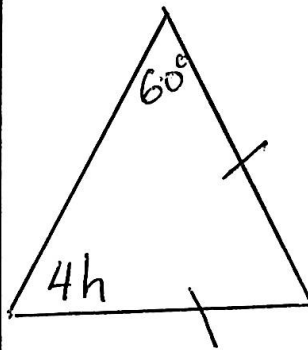## Calculate the value of unknown angles

a).

40°

Y

b

K

55°

c).

2m 80°

d).

P 70°

e

60°

4h

f

5y+10° 4y+20°