Given that 20m=50t

a) if m+t=7,find(m-t)

b) m+t/m-t

Solution:

$$20m = 50t$$

We can express t from this equation

$$t = \frac{2}{5}m$$

Now we know also that $m + t = 7$, and we can substitute t into this equation. Now we have the following

$$m + \frac{2}{5}m = 7 => \frac{7}{5}m = 7 => m = 5$$

So, we can find t: t=7-m=7-5=2

Now we know , that m=5 and t=2, so we can find m-t=5-2=3

Also we can find $\frac{m+t}{m-t} = \frac{7}{3}$

Answer: a) 3

  b)7/3