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Check your solutions against those on my website as you work!

Unit Conversion 3 - Converting Rates

List 6 different units for you could use to measure speed:

List 4 different pricing units that might appear in a grocery store's bulk section:

List 4 different units that could be used to measure a person's salary or wage:

Convert the following by multiplying by a conversion factor:

a) 2.5km/h to m/h $\frac{2.5km}{1h} * \frac{1000m}{1km} = 25\ 000m/h$

b) \$400/month to \$/day

c) \$2.99/100g to \$/kg

d) \$3.50/100g to \$/g

e) 20m/s to km/s

f) 35cm/s to cm/min

g) 18.35km/h to km/day

h) 400g/L to g/mL

i) 25g/mL to kg/mL

j) 18m/s to m/min

Convert the following by multiplying by TWO or more conversion factors:

k) 14m/s to m/h $\frac{14m}{s} * \frac{60s}{min} * \frac{60min}{h} = 50\ 400m/h$

l) \$125/day to \$/decade

m) 35cm/s to km/s

n) 18cm/s to m/min

o) 4.7m/s to km/h

p) 17.3g/L to kg/mL

q) 12km/h to m/day

r) 4.2km/min to km/day

s) \$1000/wk to \$/h

t) \$35/h to \$/s

u) \$100 000/yr to \$/h

v) 0.4mL/s to L/yr

w) 15cm/s to km/h

Highlight or put a star next to questions that stumped you!