RATES

1) Complete the following conversions.

1km = _____m 1m = _____cm 1cm = _____mm

1L = _____ml 1 day = _____ hours 1 hour = _____mins

1 min = _____sec $1 = _____cents 1kg = _____g

2) Simplify the following rates.

a. 24 mm rainfall in 3 days = _____mm/day

b. $90 for 3 hours work = $_____/hour

c. A football team scored 63 goals over 7 games = _____goals/game

d. $10 for 2kg = $_____/kg

e. 200km travelled in 2 hours = _____km/h

f. 100m sprint run in 10 seconds = _____m/s

g. 40 hours worked over 5 days = _____hours/day

h. $60 for 12kg = $_____/kg

3) Express each of the following as a rate.

a. 120 km in 2 hours _____

b. 10 g in 2 minutes _____

c. $7.50 in $\frac{1}{2}$ hour _____

d. $120 in 10 hours _____

e. 1.3 km in 10 minutes _____

f. 500 g in 4 minutes _____

g. 45 km in $\frac{1}{2}$ hour _____

h. 45 m in 3 seconds _____

i. 250 km in 10 hours _____

4) a. Calculate the average speed in km/h of a train travelling 480 km in 6 hours.

b. Calculate the average rainfall per day when 30mm is recorded over 6 days.