1 A train travels x miles in 2 hours. miles is a unit for distance, hours is a unit for time

(b) Write down an expression, in terms of x, for the average speed of the train.

speed = distance / time

x miles ÷ 2 hrs

$= \frac{x}{2}$ miles per hour

(1) $\frac{x}{2}$ ..... miles per hour

(1)

(Total for Question 1 is 1 mark)

2 Naomi has b bags of apples and c crates of apples.

There are 5 apples in each bag.
There are 28 apples in each crate.

Naomi has a total of T apples.

Write a formula for T in terms of b and c.

for T total apples, put the number next to the letter

$T = 5b + 28c$ → 28 apples x every crate ✓(1)

↓

5 apples x every bag ✓(1)

$T = 5b + 28c$ ✓(1)

.....

(Total for Question 2 is 3 marks)

3 In a competition, a player gets

5 points for each game they win
2 points for each game they draw
0 points for each game they lose.

Amy wins x games and draws y games.

(b) Write down an expression, in terms of x and y, for the total number of points Amy gets.

2

Total number of points : (5 points x x) + (2 points x y) (1)

Total number of points = $5x + 2y$

$5x + 2y$ (1)

(2)

(Total for Question 3 is 2 marks)