

$$B : G$$

$$2 : 5$$

$$(\times 4)$$

$$8 : 20$$

$$A : R$$

$$4 : 1$$

$$(\times 5)$$

$$20 : 5$$

$$8 + 20 + 5 = 33$$

$$3 \times 33 = 99$$

$$B : G : R$$

$$8 : 20 : 5$$

$$(\times 3)$$

$$24 : 60 : 15$$

15

1. (a) Find the value of the reciprocal of 1.6
Give your answer as a decimal.

Let x be the reciprocal of 1.6

$$x \times 1.6 = 1$$

$$(\div 1.6) \quad (\div 1.6)$$

$$x = 0.625$$

0.625

(1)

Jess rounds a number, x , to one decimal place.
The result is 9.8

- (b) Write down the error interval for x .

Range of numbers which will:
Round up to 9.8

$$9.75 \leq x$$

Round down to 9.8

$$x < 9.85$$

$$9.75 \leq x < 9.85$$

(2)

(Total for Question is 3 marks)

2. (a) Work out the value of $\frac{300}{2 \times 5}$

$$\frac{300}{2 \times 5} = \frac{300}{10} = 30$$

$$\begin{array}{r} \textcircled{1} \quad 30 \\ \hline (1) \end{array}$$

- (b) Work out the value of $(6 - 2.5)(8 + 4)$

$$(6 - 2.5)(8 + 4) = (3.5)(12) = 42$$

$$\begin{array}{r} \textcircled{1} \\ 42 \\ \hline (1) \end{array}$$

- (c) Write down the reciprocal of 20

reciprocal means '1 over'

$$\begin{array}{r} \textcircled{1} \quad \frac{1}{20} \\ \hline (1) \end{array}$$

(Total for Question is 3 marks)