

Exercise 2015-8EG-00008(4)

(1) (a) Which of the following ratios are equal to 18 litres to 24 litres:

A. 2 : 3

B. 3 : 2

C. 3 : 4

D. 4 : 3

(b) $\frac{2}{3}$ of 33 =

A. 11

B. 22

C. 33

D. 55

(2) Are the following statements true or false?

(a) $\frac{1}{4} : \frac{1}{3}$ is proportional to 4 : 3.

(b) If Amos and Jay divide R66 in the ratio 5 : 6 between them, Amos will receive R30 and Jay R36.

(c) 125% of 20 minutes is 5 minutes.

(3) A certain number of tons of fodder should be divided between three farms X, Y en Z, in the ratio 2 : 3 : 1. Farm X should receive 120 tons of the fodder.

(a) How many tons of fodder will farm Y receive?

(b) What is the total number of tons of fodder that will be divided between the three farms?

(4) Are the following ratios proportional?

$\frac{1}{3} : \frac{1}{6}$ and 6 : 3