

Rates Questions

1. 6 chickens can lay 5 eggs in 7 days.

(a) How many eggs do 11 chickens lay in 8 days?

$$\frac{220}{21} \text{ eggs}$$

(b) How many days does it take 13 chickens to lay 12 eggs?

$$\frac{504}{65} \text{ days}$$

(c) How many chickens does it take to lay 7 eggs in 3 days?

$$\frac{98}{5} \text{ chickens}$$

2. 7 ditch diggers can dig 9 ditches in 4 days.

(a) How many days does it take 10 ditch diggers to dig 12 ditches?

$$\frac{1512}{5} \text{ days}$$

(b) How many ditch diggers does it take to dig 3 ditches in 5 days?

$$\frac{28}{15} \text{ ditch diggers}$$

(c) How many ditches can 8 ditch diggers dig in 3 days?

$$\frac{54}{7} \text{ ditches}$$