Rates Questions

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

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

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

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

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

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

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

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?

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

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

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

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

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