

**Direct and Inverse Proportions: Worksheet -3**

1. If 15 workers can build a wall in 48 hours, how many workers will be required to do the same work in 30 hours?
2. A school has 8 periods a day each of 45 minutes duration. How long would each period become, if the school has 6 periods a day? (assuming the number of school hours to be the same)
3. If  $z$  varies directly as  $x$  and inversely as  $y$ . Find the percentage increase in  $z$  due to an increase of 12% in  $x$  and a decrease of 20% in  $y$ .

