


## MNU 4-08a

## Homework 3


## Silver Level

## Outcome 1


## Indirect Proportion

 1 It takes 2 men 9 hours to shovel snow. How long would it take 6 men?




 2 It takes 5 men 8 days to tile a roof. How long would it take 20 men?




 3 3 tellers clear a queue in the bank in 4 minutes. How long would it take 6 tellers?




 4 It takes 6 men 3 hours to paint a wall. How long would it take 9 men?




 5 4 waiters take 5 minutes to clear tables. How long would it take 10 waiters?




 6 It takes 3 stage hands 8 minutes to change a set. How long would it take 4 stage hands?




 7 2 cleaners take 6 hours to clean a school. How long would it take 3 cleaners?




 8 It takes 3 trucks 6 hours to clear debris from a building site. How long would it take 2 trucks?



 9 It takes 4 men 12 hours to fix a road. How long would it take 8 men?





 10 It takes 4 firemen 12 minutes to extinguish a blaze. How long would it take 6 firemen?





## Outcome 2


## Proportional Division


 1 Divide 42 in the ratio of 1 : 2 : 3.


 2 Share 27 in the ratio of 2 : 3 : 4.


 3 Share 55 in the ratio of 2 : 4 : 5


 4 Divide 48 in the ratio of 1 : 3 : 4.


 5 Divide 400 in the ratio of 5 : 2 : 3.

 6 Share 400 in the ratio of 4 : 1 : 3.

 7 Divide 3600 in the ratio of 2 : 4 : 3.

 8 Share 7000 in the ratio of 7 : 2 : 1.

 9 Share 1500 in the ratio of 7 : 2 : 6.

 10 Divide 6000 in the ratio of 4 : 5 : 11.