$RIG \oplus UR$

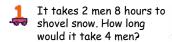
MNU 3-08a

Homework 5

Gold Level



Outcome 1 - Indirect Proportion





It takes 6 men 6 days to tile a roof. How long would it take 9 men?



3 tellers clear a queue in the bank in 20 minutes. How long would it take 5 tellers?



It takes 6 men 8 hours to paint a wall. How long would it take 16 men?



4 waiters take 9 minutes to clear tables. How long would it take 12 waiters?



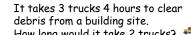
It takes 3 stage hands 12 minutes to change a set. How long would it take 9 stage hands?



 2 cleaners take 12 hours to 🏖 clean a school. How long would it take 6 cleaners?



debris from a building site. How long would it take 2 trucks?





It takes 4 men 15 hours to fix a road. How long would it take 5 men?



It takes 4 firemen 18 minutes to extinguish a blaze. How long would it take 9 firemen?





Boys: Girls = 4:5184 boys, how many girls?



Men: Women = 3:4 81 men. how

many women?





Dance : Pop = 5 : 4. 165 dance songs. how many pop songs?



Magicians: Singers = 2:7.96 magicians, how many singers?





Laptops: Desktops = 8:3 256 laptops, how many desktops?



Lions: Zebras = 2:9 126 lions, how many zebras?

Trains: Planes = 6:7

144 trains, how

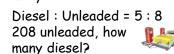
many planes?





Notes: Coins = 3:9 129 notes, how many coins?



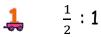




Carrots: Peas = 3:20 1260 peas, how many carrots?

Outcome 2 - Simplifying Ratio

Simplify the following Ratio...





$$\frac{1}{4}:5$$





$$\frac{1}{5}:9$$



$$\frac{2}{3}$$
: 10



$$\frac{3}{4}$$
: 30



$$\frac{2}{5}$$
: 12



$$\frac{3}{10}:2$$



$$\frac{5}{6}$$
 : 2



$$\frac{4}{7}$$
: 60

Outcome 4 - Proportional Division



Divide 30 in the ratio of 1:2:3.



Share 45 in the ratio of 2:3:4.



Share 33 in the ratio of 2:4:5



Divide 72 in the ratio of 1:3:4.



Divide 700 in the ratio of 5:2:3.



Share 160 in the ratio of 4:1:3



Divide 6300 in the ratio of 2:4:3.



Share 5000 in the ratio of 7:2:1.



Share 6000 in the ratio of 7:2:6.



Divide 3000 in the ratio of 4:5:11.