

5. Peter and Bernie play golf at Whitlock Golf Club. Peter plays once every 6 days and Bernie plays once every 4 days. If they both played today, in how many days will they both play on the same day again?

$$P = 6, 12, 18$$

$$B = 4, 8, 12$$

multiples \rightarrow LCM

$$\text{LCM} : 12$$

They will both play again on the 12th day.

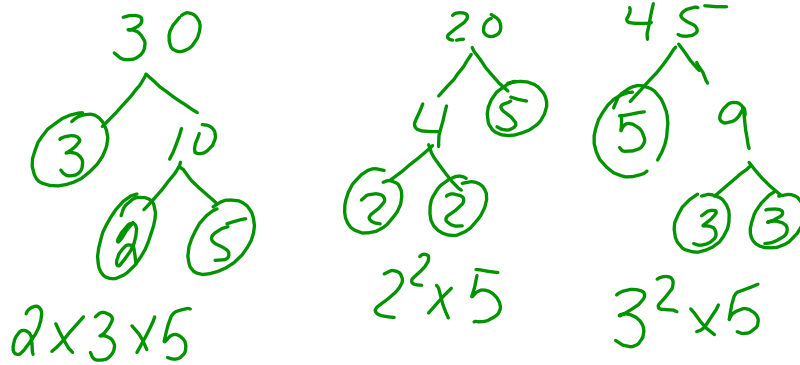
Bus 1 takes 30 mins to complete its route

Bus 2 takes 20 mins to complete its route

Bus 3 takes 45 mins to complete its route

If all three buses leave the terminal at 11:00 am at what time will they be at the terminal at the same time again?

multiples
LCM



$$2^2 \times 3^2 \times 5$$

$$4 \times 9 \times 5$$

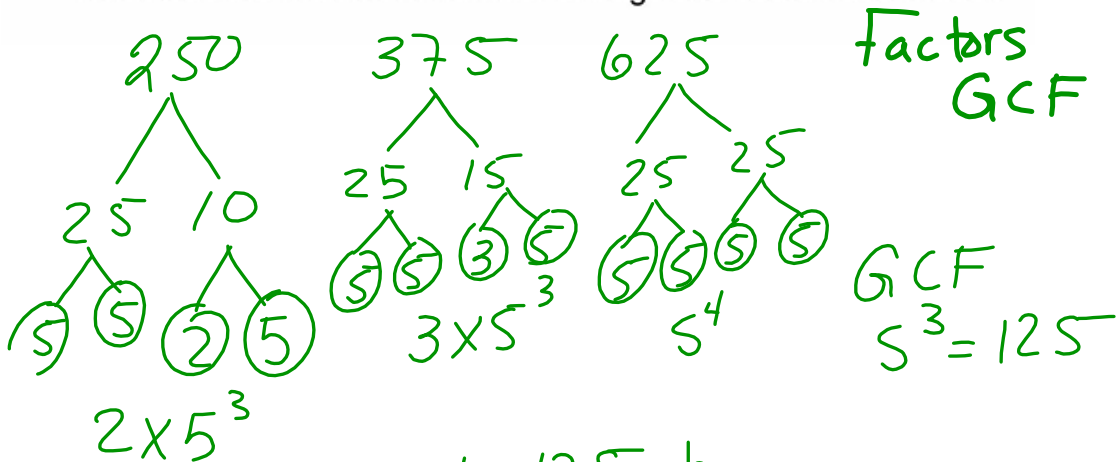
180 mins divide by 60 to find how many hours \rightarrow 3 hours

$$11 \text{ am} + 3 \text{ hours} = 2 \text{ pm}$$

They will all meet at 2 pm.

LCM GCF WP Examples

9. Last Hallowe'en, Kelly bought 250 bags of chips, 375 packs of gum, and 625 hard candies. She wanted to make the greatest number of identical treat bags to give to the trick-or-treaters. What was the maximum number of bags she could have made?



She can make 125 bags.

$$250 \div 125 = 2 \quad 375 \div 125 = 3 \quad 625 \div 125 = 5$$

So she can put 2 bags of chips, 3 packs of gum and 5 candies.