Excercise 1.1

An army contingent of 616 members is to march behind an army band of 32 members in a parade. The two groups are to march in the same number of columns. What is the maximum number of columns in which they can march?
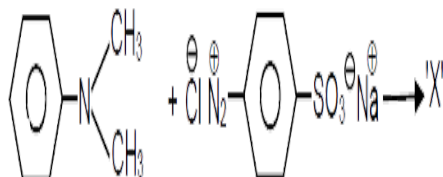
Solution:

To find the maximum columns use HCF(616,32)=HCF(32,8)=8

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Excercise 1.2

Find formed product X is used as:

Solution:

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Excercise 1.3

A cement company earns a profit of Rs 8 per bag of white cement sold and a loss of Rs 5 per bag of grey cement sold.(a) The company sells 3,000 bags of white cement and 5,000 bags of

grey cement in a month. What is its profit or loss?(b) What is the number of white cement bags it must sell to have neither profit nor loss, if the number of grey bags sold is 6,400 bags?

Solution:

a) 3000*8+5000*(-5)=> 24000-25000Rs => -1000Rs, so He is in loss. b) 6400*(-5)+x+8=0 => 8x=5*6400 => x=4000 so white cement.

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