Chapter 1
Real Numbers

Assessment based on Exercise 1.1 Question 3

Question 1:
An army contingent of 616 member 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 tha maximum number of columns in which they can march?

Solution:

Question 2:
A merchant has 175 litres of olive oil and 105 litres of cocount oil. He wants to sell the two variety of oils by filling the two oils i tins of equal capacity. What should be the maximum capacity of such a tin?

Solution:

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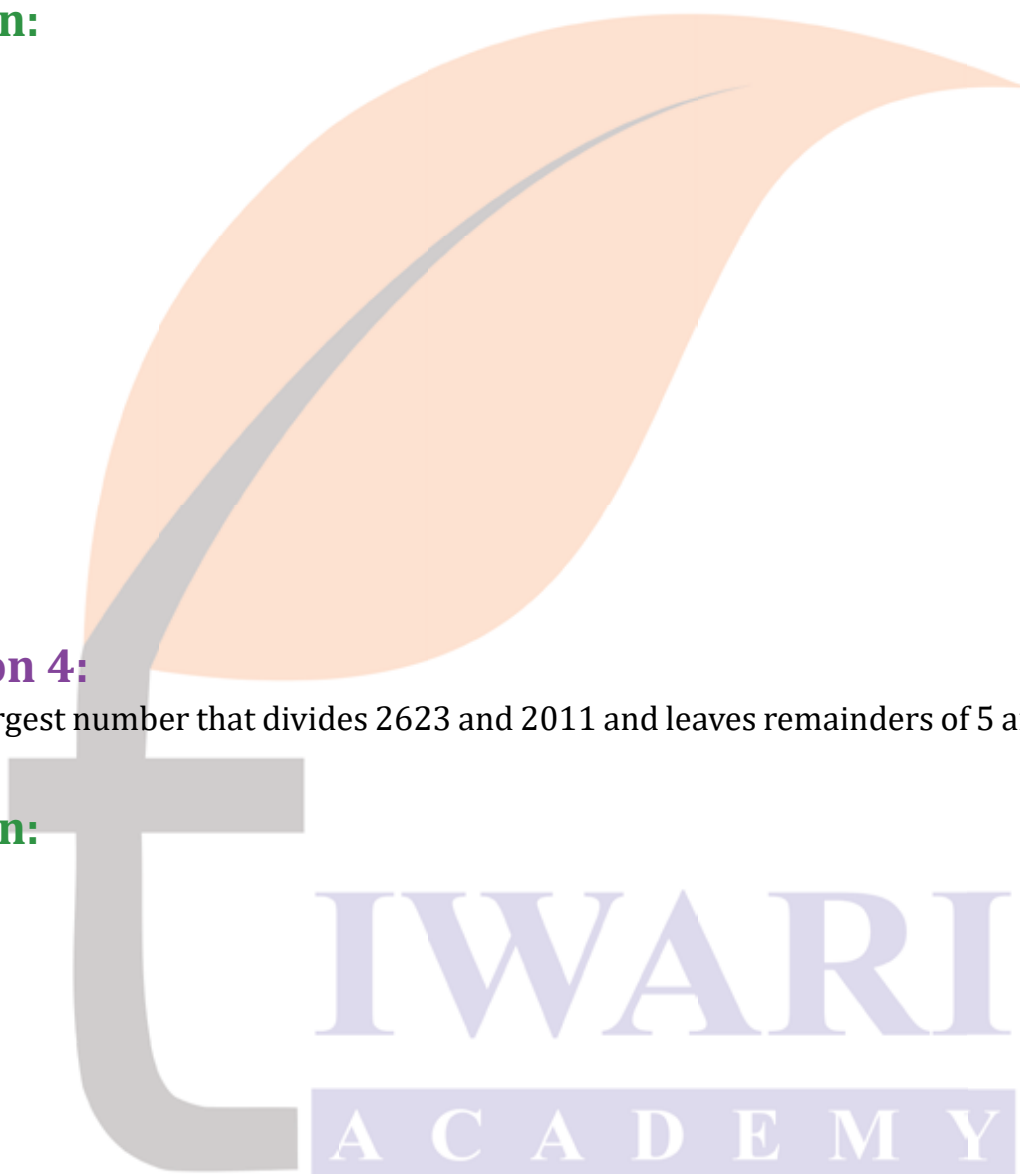**Assessment based on Exercise 1.1 Question 3**

Question 3:
Find the largest number which divides 245 and 1029 leaving remainder 5 in each case.

Solution:

Question 4:
Find the largest number that divides 2623 and 2011 and leaves remainders of 5 and 9 respectively.

Solution:

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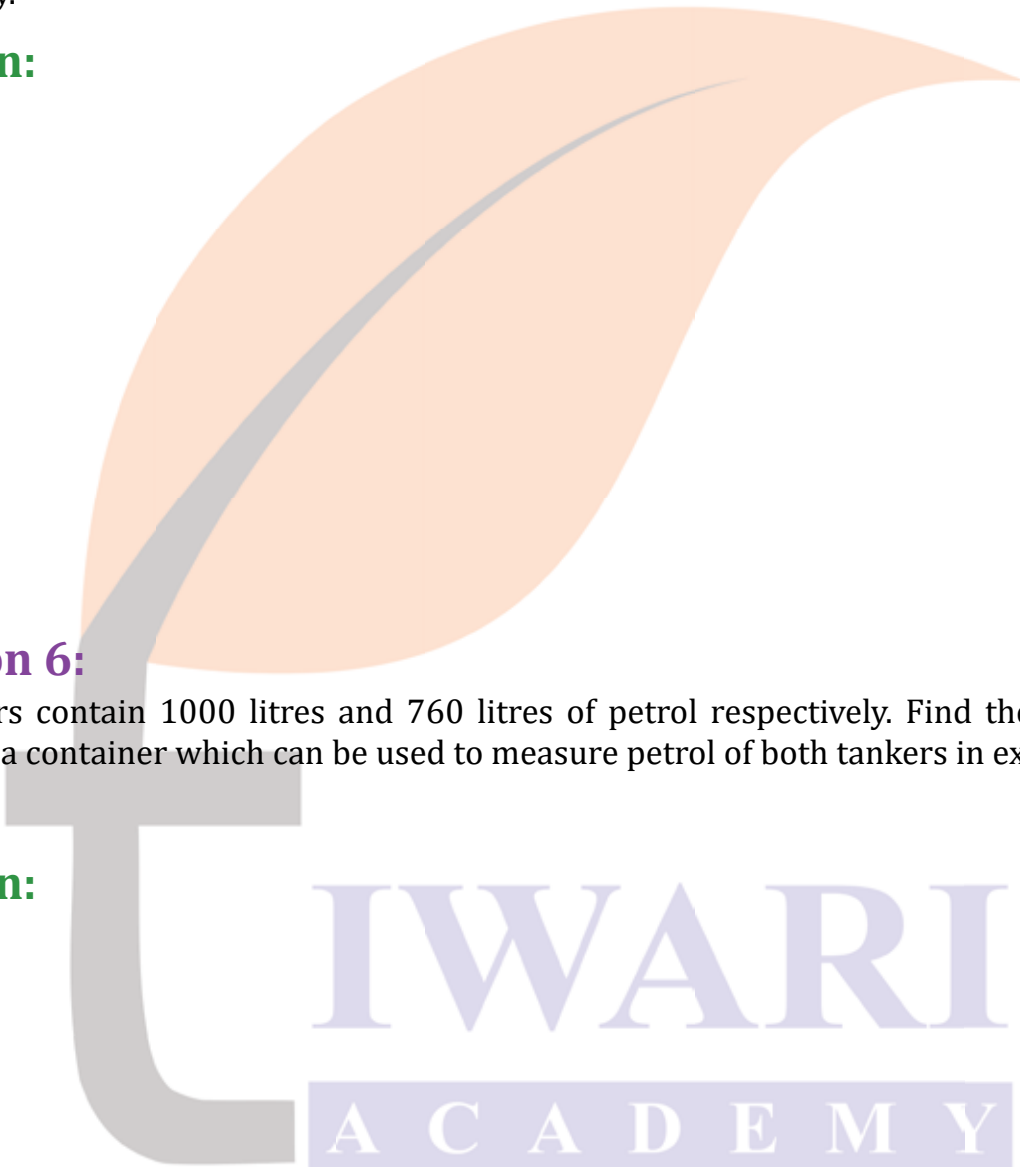**Assessment based on Exercise 1.1 Question 3**

Question 5:

Find the largest number that will divide 699, 572 and 445 leaving remainders of 6, 5 and respectively.

Solution:

Question 6:

Two tankers contain 1000 litres and 760 litres of petrol respectively. Find the maximum capacity of a container which can be used to measure petrol of both tankers in exact number of times.

Solution:

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Assessment based on Exercise 1.1 Question 3

Question 7:

45 roses, 65 carnations and 50 tulips are used to prepare identical flower arrangements. What is the maximum number of such arrangements that can be prepared?

Solution:

Question 8:

Smita has to make gift hampers out of 40 bananas, 24 oranges and 16 pineapples. The gift hampers have to be identical and contain at least one of each type of fruit. What is the maximum number of such gift hampers she can make without leaving any fruit?

Solution:

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Assessment based on Exercise 1.1 Question 3

Answers

Answer: 1
8

Answer: 2
35

Answer: 3
16

Answer: 4
154

Answer: 5
63

Answer: 6
40 liters

Answer: 7
5 flower arrangemets

Answer: 8
8 hampers