1. Find the least number which if divided by 6, 7, 8, 9, 12 leaves the same remainder 2 in each case.

Answers

1. 506

2. 504

3. 502

4. 500

2. Given the H.C.F of two numbers as 7 and their L.C.M as 210. If one of the numbers is 35, find the other.

Answers

1. 32

2. 42

3. 52

4. 62

3. The present ages of three persons in proportions 4 : 7 : 9. Eight years ago, the sum of their ages was 56. Find their present ages (in years).

Answers

1. 8, 20, 28

2. 16, 28, 36

3. 20, 35, 45

4. None of these

4. The average of a group of men is increased by 5 years when a person aged of 18 years is replaced by a new person of aged 38 years. How many men are there in the group?

Answers

1. 3

2. 4

3. 5

4. 6

Let N be the no. of persons in the group.Required number of person is given by;Member in group × aged increased = difference of replacementN × 5 = 38 - 18Or, 5N = 20Or, N = 4

The average marks obtained by 120 candidates was 35. The average marks of passed candidates was 39 and that of failed candidates was 15. Then the number of candidates passed In the examination was-

Answers

1. 100

2. 125

3. 85

4. 65

6. The average of four consecutive even number is 27. Find the largest of these numbers?

Answers

1. 24

2. 28

3. 30

4. 32

7. The ages of Kaushal and Dilip differ by 16 years, Six years ago, Dilip's age was thrice as that of Kaushal's . Find present age of Dilip (in years)?

Answers

1. 14 years

2. 16 years

3. 20 years

4. 30 years

5. None of these

8. The L.C.M. of two numbers is 48. The numbers are in the ratio 2 : 3. Then sum of the number is:

Answers

1. 28

2. 32

3. 40

4. 64

5. None of these

9. If the sum of two numbers is 55 and the H.C.F. and L.C.M. of these numbers are 5 and 120 respectively, then the sum of the reciprocals of the numbers is equal to:

Answers

1. 55/601

2. 601/55

3. 11/120

4. 120/11

5. None of these

10. The H.C.F. of 1.08, 0.36 and 0.9 is :

Answers

1. 0.03

2. 0.9

3. 0.18

4. 0.108