

Introduction to Proportion

1. Which of the following statements are true?

a. 60 men: 300 men = ₹10: ₹40

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b. 15: 20 = 30: 60

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c. 16 kg: 24 kg = 20l: 30l

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d. 21: 6 = 35: 10

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2. Find which of the following are in proportion?

a. 39, 65, 141, 235

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b. 5, 25, 30, 150

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c. 33, 44, 66, 88

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d. 24, 96, 16, 54

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e. 108, 170, 721, 86

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3. Find x in the following proportions:

a. 169: x :: x : 1

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b. 16 : 18 = x : 96

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c. x : 3 :: 57 : 19

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d. 7 : 14 :: 15 : x

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e. x : 18 :: 14 : 21

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f. 11 : 121 :: x : 231

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4. Find the mean proportion between the numbers:

a. 21, 27, 14

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b. 1, 10, 100

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c. 57, 76, 108

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5. Find the mean proportion between the numbers:

a. 36, 16

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b. 4, 9

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c. 121, 100

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d. 125, 5

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6. Fill in the box so that the four numbers are in proportion:

a. 20, 18, 40,

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b. 15, 45, ☐, 135

7. Set up all possible proportions from the following numbers:

a. 45, 30, 24, 16

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b. 21, 6, 35, 10

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8. The first, second and fourth terms of a proportion are 6, 18 and 25 respectively.
Find the third term.