Practice Problems

Answer each of the following questions. Show your work and write your statements clearly.

1. Darren and Mick shared 96 marbles in the ratio 5 : 3. Darren then shared his marbles with Henry in the ratio 11 : 4. How many fewer marbles did Henry get than Mick?

2. At an exhibition, the ratio of the number of adults to the number of children was 8:3. The ratio of the number of men to the number of women was 3:1. If there were 44 adults and children at the exhibition, how many more children than women were there?

3. The ratio of the number of Ann's picture cards to the number of Wendy's picture cards was 7:8. After Wendy gave 8 picture cards to Ann, they each had the same number of picture cards. How many picture cards did they have altogether?

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Darren: 17 3 60/morbles Derren 4.11 = 44

Henry: 4 3 60/morbles Henry 4.4 = 16

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2. At an exhibition, the ratio of the number of adults to the number of children was 8 : 3. The ratio of the number of men to the number of women was 3 : 1. If there were 44 adults and children at the exhibition, how many more children than women were there?

Adult: 8 3 44/1 miles were there?

Child: 3 3.4 = 12 children 4 3.9 = 12 children 4 3.9 = 24 miles

Aduts of Men: 3332/4=8 3.8=24min
1.18 8 homen:

3. The ratio of the number of Ann's picture cards to the number of Wendy's picture cards was 7: 8. After Wendy gave 8 picture cards to Ann, they each had the same number of picture cards. How many picture cards did they have altogether?

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Difference of I unit. Therefore Wendy gives of a unit

To be equal

= a unit is Peards, so lunit is 16.

Ann = 16-7 = 112 originally 3 [240 attagether!]

wenty = 16.8 = 128: "