Name_____

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Adding and Subtracting Mixed Numbers with Like Denominators
Word Problems
(4.NF.3.c)

Directions: Solve the following word problem. Show your work.

Ellen and Margaret are making curtains for a puppet stage. They need 12 2/6 yards of material to make the curtains. Ellen has 5 1/6 yards of material and Margaret has 8 2/6 yards of material. How much material do they have altogether? Do they have enough to make the curtains? Explain your answer.

Answer:

Margaret has 8 2/6 yards of material. Ellen has 5 1/6 yards of material. You can add the whole numbers together. 8 yds + 5yds = 13 yds. Now you can add the fractions together. 2/6 + 1/6 = 3/6 . Altogether they have 13 3/6 yards of material.   13 3/6 is greater than 12 2/6 so they will have more than enough material to make the curtains. They have 1 1/6 extra yards of material.

8 2/6 + 5 1/6 = 13 3/6

13 3/6 - 12 2/6 = 1 1/6