Mass word problems (customary units)

Grade 5 Word Problems Worksheets

Read and answer each question:

1. A package that is heavier than 11 lb. and 8 oz. will have a label that says “heavy” on it. Gloria packed 6 flower pots to send to her customers. Each of the flower pots weighs 1 lb. and 12 oz. The packing material weighs 5 oz. Will her package be labeled as “heavy”?

2. A packing box can hold up to 15 lb. If Jack puts 9 lb. and 12 oz. of clothes in the box, how much more weight can the packing box hold?

3. Will is unpacking a box of utensils. The total weight of the box of utensils is 4 lb. and it contains 16 forks. What is the weight of each fork?

4. Carrie is packing to move to another apartment down the hall. She packed 24 boxes. Each box can hold up to 8 lb. The trolley she is using to move can take up to 32 lb. How many trips does it take her to move if she only has one trolley?

5. Hannah ordered some office supplies. When the supplies were delivered, they came in 2 boxes. The big box weighed 8 lb. 7 oz. and the small box weighed 6 lb. 12 oz. What is the total weight of the supplies?

6. A moving truck can take up to 4,530 lb. of cargo. Oliver packed 50 boxes; each box weighs 34 lb. After Oliver loaded all the boxes, the truck can take about ________ lb. more of cargo.
   a. 2,800
   b. 1,200
   c. 4,200
Answers

1. 1 lb. 12 oz x 6 + 5 oz.
   = 6 lb. 72 oz. + 5 oz.
   = 6 lb. 77 oz.
   = 10 lb. 13 oz.
10 lb. 13 oz < 11 lb. 8 oz.
Her package will not be labeled as “heavy”.

2. 15 lb. – 9 lb. 12 oz.
   = 14 lb. 16 oz. – 9 lb. 12 oz.
   = 5 lb. 4 oz.
The packing box can take 5 lb. 4 oz. more weight.

3. 4 lb. = 4 x 16 = 64 oz.
   64 ÷ 16 = 4
Each fork is 4 oz.

4. 24 x 8 ÷ 32 = 6
She needs to take 6 trips.

5. 8 lb. 7 oz. + 6 lb. 12 oz.
   = 14 lb. 19 oz.
   = 15 lb. 3 oz.
The total weight of the supplies is 15 lb. 3 oz.

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