

## Mass word problems (customary units)

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### Grade 5 Word Problems Worksheet

1. In the grocery store, a trolley can hold 20 lbs of groceries. Annie put 12 lbs 8 oz of groceries on the trolley. How much more weight can the trolley hold?
  
2. Stephanie will be sending 2 parcels of personal items to her niece. The big parcel weighs 12 lbs 11 oz and the smaller parcel is 3 lbs 1 oz lighter than the big parcel. What is the combined weight of the two parcels?
  
3. Joel bought 10 lbs 8 oz of concrete nails for barbed wire to be attached around the top of the concrete fence. He has used some of the nails, and 65 oz are left. What weight of concrete nails has Joel used? Express your answer in pounds and in ounces?





## Answers

1.  $20 \text{ lbs} = 19 \text{ lbs } 16 \text{ oz}$   
 $19 \text{ lbs } 16 \text{ oz} - 12 \text{ lbs } 8 \text{ oz} = 7 \text{ lbs } 8 \text{ oz}$   
The trolley can hold 7 lbs 8 oz more of groceries.
2. Smaller parcel:  $12 \text{ lbs } 11 \text{ oz} - 3 \text{ lbs } 1 \text{ oz} = 9 \text{ lbs } 10 \text{ oz}$   
 $12 \text{ lbs } 11 \text{ oz} + 9 \text{ lbs } 10 \text{ oz} = 21 \text{ lbs } 21 \text{ oz} = 22 \text{ lbs } 5 \text{ oz}$   
The weight of the 2 parcels is 22 lbs 5 oz.
3.  $65 \text{ oz} = 4 \text{ lbs } 1 \text{ oz}$   
 $10 \text{ lbs } 8 \text{ oz} - 4 \text{ lbs } 1 \text{ oz} = 6 \text{ lbs } 7 \text{ oz}$   
Joel used 6 lbs 7 oz of concrete nails.
4.  $3 \text{ lbs } 4 \text{ oz} = (3 \times 16) + 4 = 48 + 4 = 52 \text{ oz}$   
 $52 \div 4 = 13$   
Each large mug weighs of 13 oz.
5.  $6 \text{ lbs} = 96 \text{ oz}$   
 $96 \div 12 = 8$   
The basket can hold 8 bags of oranges.
6.  $160 \times 5 = 800 \text{ lbs}$   
 $150 \times 8 = 1,200 \text{ lbs}$   
 $2,200 - (1,200 + 800) = 200 \text{ lbs}$   
Answer is (b).