

Add the Masses



Dear Family Member:

In class, we have been solving addition problems involving mass.

For example, two 20-gram masses and four 5-gram masses is equal to $20 + 20 + 5 + 5 + 5 + 5 = 60$ grams. Ask your child to show or tell how to find the total mass for an object.

Thank you.

1. Carla measured the mass of some things she carries in her backpack. She used a two-pan balance and standard masses. Find the total mass for each object.

Object	Masses Used	Total Mass
paperback library book	four 20-gram masses one 5-gram mass three 1-gram masses	
5 pencils	one 10-gram mass three 5-gram masses	
calculator	two 50-gram masses seven 1-gram masses	
coin purse with change	three 20-gram masses one 10-gram mass one 5-gram mass one 1-gram mass	
comb	one 10-gram mass three 1-gram masses	

2. Show or tell how you found the total mass for Carla's calculator.
3. On Tuesday, Carla's backpack had only the comb and paperback library book. How much mass was Carla carrying in her backpack on Tuesday? Show how you know.

4. Solve these problems using a paper-and-pencil method.

A.
$$\begin{array}{r} 47 \\ + 28 \\ \hline \end{array}$$

B.
$$\begin{array}{r} 96 \\ + 36 \\ \hline \end{array}$$

C.
$$\begin{array}{r} 77 \\ + 52 \\ \hline \end{array}$$

5. Write a number in the box to make the number sentence true.

A. $20 + 10 + 1 = \square + 10 + 10 + 1$

B. $20 + 5 + 5 + 5 + 2 = 20 + \square + 5 + 2$

C. $10 + 10 + 10 + 10 + 4 = \square + 10 + 10 + 4$