

Name _____

Date _____

1. Complete the conversion table.

2. Convert the measurements.

Mass	
kg	g
1	1,000
6	
	8,000
15	
	24,000
550	

a. $2 \text{ kg } 700 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

b. $5 \text{ kg } 945 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

c. $29 \text{ kg } 58 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

d. $31 \text{ kg } 3 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

e. $66,597 \text{ g} = \underline{\hspace{1cm}} \text{ kg } \underline{\hspace{1cm}} \text{ g}$

f. $270 \text{ kg } 41 \text{ g} = \underline{\hspace{2cm}} \text{ g}$

3. Solve.

a. $370 \text{ g} + 80 \text{ g}$

b. $5 \text{ kg} - 730 \text{ g}$

c. Express the answer in the smaller unit:
 $27 \text{ kg } 547 \text{ g} + 694 \text{ g}$

d. Express the answer in the smaller unit:
 $16 \text{ kg} + 2,800 \text{ g}$

e. Express the answer in mixed units:
 $4 \text{ kg } 229 \text{ g} - 355 \text{ g}$

f. Express the answer in mixed units:
 $70 \text{ kg } 101 \text{ g} - 17 \text{ kg } 862 \text{ g}$

Use a tape diagram to model each problem. Solve using a simplifying strategy or an algorithm, and write your answer as a statement.

4. One suitcase weighs 23 kilograms 696 grams. Another suitcase weighs 25 kilograms 528 grams. What is the total weight of the two suitcases?

5. A bag of potatoes and a bag of onions combined weigh 11 kilograms 15 grams. If the bag of potatoes weighs 7 kilograms 300 grams, how much does the bag of onions weigh?

6. The table below shows the weight of three dogs. What is the difference in weight between the heaviest and lightest dog?

Dog	Weight
Lassie	21 kg 249 g
Riley	23 kg 128 g
Fido	21,268 g

Answer key

1. 6,000; 8; 15,000; 24; 550,000
2.
 - a. 2,700
 - b. 5,945
 - c. 29,058
 - d. 31,003
 - e. 66; 597
 - f. 270,041
3.
 - a. 450 g
 - b. 4,270 g or 4k g 270 g
 - c. 28,241 g
 - d. 18,800 g
 - e. 3 kg 874 g
 - f. 52 kg 239 g
4. 49,224 g or 49 kg 224 g
5. 3,715 g or 3 kg 715 g
6. 1,879 g or 1 kg 879 g