

Name _____

Mixed Measures! Comparing Different Units (Part 2)

When comparing **different metric units**, always **convert** them to the same base before deciding which is heavier or lighter.

Unit	Equivalent
1 kilogram (kg)	1,000 grams (g)
1 gram (g)	1,000 milligrams (mg)

Tip: If the question includes kilograms and grams, change kilograms into grams before comparing. If it includes milligrams, convert them to grams or kilograms as needed.

For each question, compare the weights and decide which is **heavier**, **lighter**, or **equal**. Write your answer clearly on the line.

1. A carry-on bag weighs **6.5 kg**, and a checked bag weighs **6,400 g**.
Which is heavier? _____
2. A souvenir box weighs **1.2 kg**, and a camera weighs **1,300 g**.
Which is lighter? _____
3. A travel pillow weighs **500 g**, and a blanket weighs **0.4 kg**.
Which is heavier? _____
4. A small gift box weighs **2,750 g**, and another weighs **2.7 kg**.
Which is heavier? _____
5. A pilot's lunch bag weighs **850 g**, and the co-pilot's bag weighs **0.9 kg**.
Which is heavier? _____
6. A tablet weighs **720 g**, and a laptop weighs **1.25 kg**.
Which is lighter? _____
7. A mailing box weighs **4.5 kg**, and another box weighs **4,250 g**.
Which is heavier? _____
8. A letter weighs **40 g**, and a postcard weighs **55 g**.
Which is heavier? _____
9. A crate of fruit weighs **18,000 g**, and a crate of vegetables weighs **17 kg**.
Which is heavier? _____
10. A traveler's backpack weighs **9.5 kg**, and their friend's weighs **9,700 g**.
Which is lighter? _____

