LESSON MAKER PRO

Mass Match Mission

Choose grams or kilograms for real-world masses.

GRADE 5 · 5.MG.1.a.ii

5.MG.1.a.ii "Determine the most appropriate unit of measure to use in a contextual problem that involves metric units: mass (grams and kilograms); and"

NAME _____ DATE _____

PICK THE RIGHT UNIT

Use grams for light objects, such as small snacks or tiny tools. Use kilograms for heavier objects, such as animals, furniture, or large bags. Ask yourself whether the object is light enough to hold easily in one hand.

WORKED EXAMPLE

A sea turtle has a mass of 90 kilograms. Which unit is most appropriate for its mass?

1. A sea turtle is a heavy animal.
2. Heavy objects are usually measured in kilograms.
3. Choose kilograms.

Answer: kilograms

PRACTICE 6 problems

1 Which unit is most appropriate for the mass of a coin?

ANSWER _____

2 Which unit is most appropriate for the mass of a refrigerator?

ANSWER _____

3 Which unit is most appropriate for the mass of a puppy?

ANSWER _____

4 Which unit is most appropriate for the mass of a grape?

ANSWER _____

5 Which unit is most appropriate for the mass of a jar of jam?

ANSWER _____

6 Which unit is most appropriate for the mass of a loaded suitcase?

ANSWER _____

APPLY IT Show your work

1 Jalen is packing snacks for a field trip. One granola bar has a mass of 45 grams. Should Jalen use grams or kilograms to label the mass of one granola bar?

WORK SPACE

ANSWER _____

2 The music club is moving a speaker that has a mass of 12 kilograms. Should the club use grams or kilograms to record the speaker's mass?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A science club needs to label the mass of a feather, a watermelon, and a loaded backpack. Choose grams or kilograms for each object. Explain your reasoning in exactly two sentences.

WORK SPACE AND ANSWER

ANSWER KEY

Mass Match Mission

GRADE 5 · 5.MG.1.a.ii

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Which unit is most appropriate for the mass of a coin?	**grams**
2	Which unit is most appropriate for the mass of a refrigerator?	**kilograms**
3	Which unit is most appropriate for the mass of a puppy?	**kilograms**
4	Which unit is most appropriate for the mass of a grape?	**grams**
5	Which unit is most appropriate for the mass of a jar of jam?	**grams**
6	Which unit is most appropriate for the mass of a loaded suitcase?	**kilograms**

PART 2 · APPLY IT

1. **grams** A single granola bar is a light object, so grams are the most appropriate unit.
2. **kilograms** A speaker is a heavy object, so kilograms are the most appropriate unit.

CHALLENGE

Use grams for the feather and kilograms for the watermelon and loaded backpack. The feather is light, while the watermelon and backpack are much heavier.

Accept gram or grams, kilogram or kilograms, and the abbreviations g or kg when they are used correctly. For the challenge, accept other clear two-sentence explanations that correctly match the units to all three objects.