LESSON MAKER PRO

Pick the Best Unit

Choose units for light and heavy objects.

GRADE 4 · 4.MG.1.a.ii

4.MG.1.a.ii "Determine an appropriate unit of measure to use when measuring: weight/mass in both U.S. Customary (ounce, pound) and metric units (gram, kilogram); and"

NAME _____ DATE _____

MATCH SIZE TO UNIT

Use ounces and grams for objects that are light. Use pounds and kilograms for objects that are heavier. First think about the object's size, then choose the unit that makes sense.

WORKED EXAMPLE

A pumpkin has a mass of 4 kilograms. Which metric unit is appropriate?

1. A pumpkin is a heavy object.
2. Grams are used for light objects.
3. Kilograms are used for heavier objects.

Answer: kilograms

PRACTICE 6 problems

1 Choose the best metric unit for the mass of a paper clip: grams or kilograms.

ANSWER _____

2 Choose the best U.S. Customary unit for the weight of a bag of flour: ounces or pounds.

ANSWER _____

3 Choose the best U.S. Customary unit for the weight of a small snack packet: ounces or pounds.

ANSWER _____

4 Choose the best metric unit for the mass of a hamster: grams or kilograms.

ANSWER _____

5 Choose the best U.S. Customary unit for the weight of a suitcase: ounces or pounds.

ANSWER _____

6 Choose the best metric unit for the mass of a bicycle: grams or kilograms.

ANSWER _____

APPLY IT Show your work

1 The robotics club needs to measure the mass of one tiny metal screw. Should the club use grams or kilograms?

WORK SPACE

ANSWER _____

2 A coach wants to weigh a large bag filled with soccer balls. Should the coach use ounces or pounds?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Choose an appropriate unit for each object: a bead, a watermelon, a sticker sheet, and a large dog. Use grams, kilograms, ounces, and pounds. Then explain why you chose those units.

WORK SPACE AND ANSWER

ANSWER KEY

Pick the Best Unit

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Choose the best metric unit for the mass of a paper clip: grams or kilograms.	**grams**
2	Choose the best U.S. Customary unit for the weight of a bag of flour: ounces or pounds.	**pounds**
3	Choose the best U.S. Customary unit for the weight of a small snack packet: ounces or pounds.	**ounces**
4	Choose the best metric unit for the mass of a hamster: grams or kilograms.	**grams**
5	Choose the best U.S. Customary unit for the weight of a suitcase: ounces or pounds.	**pounds**
6	Choose the best metric unit for the mass of a bicycle: grams or kilograms.	**kilograms**

PART 2 · APPLY IT

1. **grams** A tiny screw is very light. Grams are an appropriate metric unit for a light object.
2. **pounds** A full bag of soccer balls is heavy. Pounds are an appropriate U.S. Customary unit for a heavy object.

CHALLENGE

One appropriate set: bead in grams, watermelon in kilograms, sticker sheet in ounces, large dog in pounds. Another appropriate set: bead in ounces, watermelon in pounds, sticker sheet in grams, large dog in kilograms. Grams or ounces suit the light objects; kilograms or pounds suit the heavier objects. Explain the chosen system and unit size.

Retain the system-specific practice and application answers. In the open challenge, accept sensible grams or ounces for the bead and sticker sheet, and kilograms or pounds for the watermelon and large dog, with clear size-based reasoning. The sample set is not exclusive; no particular measurement system was assigned to each object. Accept singular/plural names and standard abbreviations.