

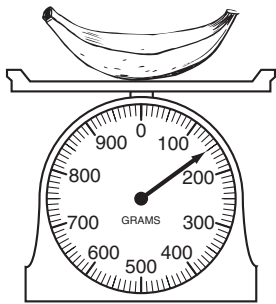
Contents

Lesson 1	Measurement Tools	4
Lesson 2	Customary Units of Length	6
Lesson 3	Using a Ruler: Inches	8
Lesson 4	Metric Units of Length.	10
Lesson 5	Using a Ruler: Centimeters	12
Lesson 6	Equivalent Units of Length	14
Lesson 7	Customary Units of Weight	16
Lesson 8	Metric Units of Weight.	18
Lesson 9	Customary Units of Capacity	20
Lesson 10	Measuring Customary Units of Capacity.	22
Lesson 11	Metric Units of Capacity	24
Lesson 12	Estimating Measurements.	26
Lesson 13	More Estimating Measurements.	28
Lesson 14	Money: Counting Coins and Bills	30
Lesson 15	More Money	32
Lesson 16	Time: Fractions of an Hour.	34
Lesson 17	Telling Time	36
Lesson 18	Fahrenheit Temperature	38
Lesson 19	Celsius Temperature	40
Lesson 20	Perimeter: Customary Units	42
Lesson 21	Perimeter: Metric Units	44
Lesson 22	Area.	46
	How to Answer Constructed Response Questions.	48

Grams and **kilograms** are metric units of weight.

$$1,000 \text{ grams} = 1 \text{ kilogram}$$

Some scales are marked in kilograms and grams.



This scale measures weight in grams. The marked numbers are 100 grams, 200 grams, and so on. There are 10 spaces between numbers, so each mark stands for 10 grams. This banana weighs 150 grams.

Use grams for small objects or amounts, such as a granola bar or pencil.

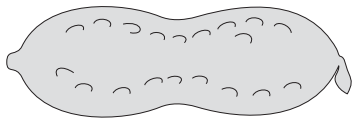
Use kilograms for larger objects or amounts, such as a bike or a person.

Abbreviations for metric units of weight:

- g = gram
- kg = kilogram

Read each problem. Circle the letter of the best answer.

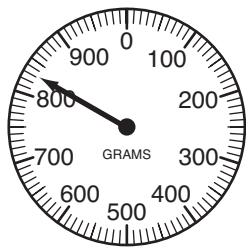
- 1 Which unit would be **best** for measuring the weight of a peanut?



- A grams
- B pounds
- C inches
- D kilograms

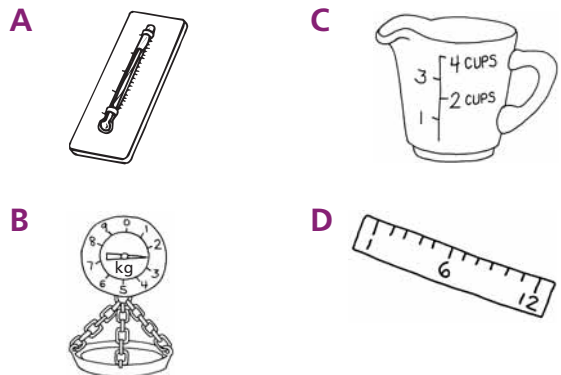
A peanut weighs a small amount. Pounds and kilograms measure heavier amounts. Inches measure length, not weight. The correct answer is A.

- 2 What weight is shown on this scale dial?

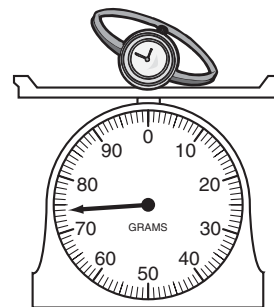


- A 800 grams
- B 803 grams
- C 830 grams
- D 850 grams

- 3 Which tool would be **best** to measure the weight of a bag of ice?



- 4 What is the weight of this watch, to the nearest gram?



- A 45 grams
- B 70 grams
- C 74 grams
- D 86 grams

Read each problem. Write your answers.

5 Julian wants to weigh a letter before he mails it.

A Which unit would be better for Julian to use, grams or kilograms?

Answer: _____

B Explain how you know your answer is correct.

6 The weights on the balance scale are marked in kilograms.



A What is the total weight of the plant and the pot?

Answer: _____

B The dirt and the plant weigh a total of 8 kilograms. Which weights can be used to show the weight, in kilograms, of the pot?

Answer: _____

C Explain how you found your answer.
