LESSON MAKER PRO

Pound Power

Estimate and weigh objects in pounds.

GRADE 2 · 2.MG.1.b.ii

2.MG.1.b.ii "Use U.S. Customary units to estimate, measure, and compare the two for reasonableness: the weight of an object to the nearest pound, using a scale; and"

NAME _____ DATE _____

WEIGHING IN POUNDS

Pounds tell how heavy an object is. First, make a smart estimate. Then read the scale to the nearest pound. A reasonable estimate is close to the scale reading.

WORKED EXAMPLE

A bag of potatoes is estimated to weigh 7 lb. A scale reads 8 lb. Is the estimate reasonable?

1. Read the scale: 8 lb.
2. Compare 7 lb and 8 lb.
3. The estimate is only 1 lb away.

Answer: Yes, 7 lb is a reasonable estimate.

PRACTICE 5 problems

1 A scale under a toy dump truck reads 2 lb. The truck weighs ___ lb.

ANSWER _____

2 A lunchbox weighs 3 lb on a scale. Circle the reasonable estimate: 1 lb or 3 lb.

ANSWER _____

3 A small pumpkin weighs 6 lb. A stuffed bear weighs 4 lb. Which is heavier?

ANSWER _____

4 Nora estimates her bag of apples weighs 5 lb. The scale reads 4 lb. Is Nora's estimate reasonable?

ANSWER _____

5 A scale shows a soccer ball weighs 1 lb. A book weighs 2 lb. Which is lighter?

ANSWER _____

APPLY IT Show your work

1 At the pet store, a bag of dog food has a scale reading of 9 lb. Sam guesses it weighs 10 lb. Is his guess reasonable?

WORK SPACE

ANSWER _____

2 At a bake sale, a box of cookies weighs 5 lb. A box of cupcakes weighs 6 lb. Which box is heavier?

WORK SPACE

ANSWER _____

3 With your teacher, choose a safe classroom object and name it. BEFORE weighing, record your own estimate in lb. Use the teacher-provided pound-marked scale to weigh it, then record the nearest whole pound. Record: Object ___; Estimate ___ lb; Measured ___ lb; Difference ___ lb. Was your estimate reasonable? Compare the values and explain.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Jada weighs a bag of canned-food donations. The scale reads 12 lb. Jada estimated 11 lb. Her brother estimated 3 lb. Whose estimate is reasonable? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Pound Power

GRADE 2 · 2.MG.1.b.ii

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A scale under a toy dump truck reads 2 lb. The truck weighs ___ lb.	**2 lb**
2	A lunchbox weighs 3 lb on a scale. Circle the reasonable estimate: 1 lb or 3 lb.	**3 lb**
3	A small pumpkin weighs 6 lb. A stuffed bear weighs 4 lb. Which is heavier?	**The small pumpkin.**
4	Nora estimates her bag of apples weighs 5 lb. The scale reads 4 lb. Is Nora's estimate reasonable?	**Yes.**
5	A scale shows a soccer ball weighs 1 lb. A book weighs 2 lb. Which is lighter?	**The soccer ball.**

PART 2 · APPLY IT

1. **Yes, Sam's guess is reasonable.** The scale reads 9 lb. Sam guessed 10 lb, which is 1 lb away.
2. **The box of cupcakes.** Compare 5 lb and 6 lb. The cupcake box weighs more.
3. **Measured and estimated values depend on the chosen object.** Provide a working pound-marked scale and a manageable object within its range. Set the empty scale to zero, help the child place the object safely, and wait for the reading to settle. Guide reading to the nearest whole pound; preselect away from halfway readings. Keep the first estimate unchanged. Check the actual reading, absolute difference and evidence-based reasonableness judgment; do not require a fixed sample value.

CHALLENGE

Jada's estimate is reasonable. 11 lb is 1 lb away from 12 lb, but 3 lb is much too low.

Accept “yes” for reasonable estimates that are 1 pound from the scale reading in these items. For comparison items, accept the object name or a clear statement naming the heavier or lighter object. Apply 3 requires the learner's estimate made before actual scale use, an observed nearest-pound reading with lb, and a comparison explanation. Adult recording is allowed. Judge reasonableness in context; the prior 1-lb examples are not a universal threshold.