

# MY Homework

## Lesson 3

### Hands On: Estimate and Measure Mass

## Homework Helper



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**Gordon wants to measure the mass of his German shepherd. Is it more reasonable for Gordon to measure his dog's mass in grams or kilograms?**

A paper clip has a mass of about 1 gram. A textbook has a mass of about 1 kilogram.

Because Gordon's dog is large, it does not make sense to measure its mass in grams. It is more reasonable for Gordon to measure his dog's mass in kilograms.

## Practice

**Circle the better unit to measure each mass.**

1. bowling ball

gram **kilogram**

2. zebra

gram **kilogram**

3. cell phone

**gram** kilogram

4. laptop computer

gram **kilogram**

5. pair of socks

**gram** kilogram

6. a marble

**gram** kilogram

**Circle the better estimate for each mass.**

7.



**4 grams** 4 kilograms

8.



**2 grams** 2 kilograms

Circle the better estimate for each mass.

9.



20 grams

20 kilograms

10.




3 grams

3 kilograms



## Problem Solving

11. **Mathematical PRACTICE**  **Use Mental Math** Dylan is making a casserole that serves 4 people. The recipe calls for shredded cheese. Would it be more reasonable for Dylan to measure the mass of the cheese in grams or kilograms? Explain.

**It is more reasonable to measure the cheese in grams. The recipe serves only 4 people, so a kilogram or more would be too much cheese.**

12. Paulette needs help moving her file cabinet. Is 40 grams or 40 kilograms a more reasonable estimate for the file cabinet's mass? Explain.

**40 kilograms is a more reasonable estimate. She would not need help moving something with a mass of only 40 grams.**

## Vocabulary Check



Choose the correct word to complete each sentence.

mass    gram    kilogram

13. The amount of matter an object has is its mass.
14. A baseball bat has a mass of about 1 kilogram.
15. A penny has a mass of about 1 gram.