LESSON MAKER PRO

Measure It Out

Solve problems with grams and milliliters.

GRADE 3 · 3.GR.A.4

3.GR.A.4 "Add, subtract, multiply, or divide to solve one-step problems in measurement contexts involving masses or volumes that are given in the same units."

NAME _____ DATE _____

CHOOSE AN OPERATION

When amounts have the same unit, add to combine them or subtract to find what is left. Multiply to find the total in equal groups, or divide to share an amount equally. Write the unit with your answer.

WORKED EXAMPLE

A bottle has 45 mL of paint. The paint is shared equally among 5 small cups. How much paint is in each cup?

1. Divide the total amount by the number of cups.
2. 45 / 5 = 9

Answer: 9 mL

PRACTICE 6 problems

1 One pile of beads has a mass of 12 g. Another pile has a mass of 16 g. What is their total mass?

ANSWER _____

2 A snack bag holds 34 g of granola. You eat 18 g. How much granola is left?

ANSWER _____

3 Each of 3 small jars holds 80 mL of water. How much water do the jars hold altogether?

ANSWER _____

4 Share 32 mL of paint equally among 4 small containers. How much paint goes in each container?

ANSWER _____

5 You mix 25 mL of blue paint with 14 mL of yellow paint. How much paint do you have?

ANSWER _____

6 A 40 g block of clay is cut into 10 equal pieces. What is the mass of each piece?

ANSWER _____

APPLY IT Show your work

1 For an art project, Mia uses 27 g of red clay and 33 g of white clay. What is the total mass of the clay she uses?

WORK SPACE

ANSWER _____

2 Sam fills a bubble wand bottle with 48 mL of bubble liquid. After playing, 23 mL is gone. How much bubble liquid is left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A class makes 11 clay balls. Each ball has a mass of 8 g. What is their total mass? Explain your choice of operation in one sentence.

WORK SPACE AND ANSWER

ANSWER KEY

Measure It Out

GRADE 3 · 3.GR.A.4

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	One pile of beads has a mass of 12 g. Another pile has a mass of 16 g. What is their total mass?	**28 g**
2	A snack bag holds 34 g of granola. You eat 18 g. How much granola is left?	**16 g**
3	Each of 3 small jars holds 80 mL of water. How much water do the jars hold altogether?	**240 mL**
4	Share 32 mL of paint equally among 4 small containers. How much paint goes in each container?	**8 mL**
5	You mix 25 mL of blue paint with 14 mL of yellow paint. How much paint do you have?	**39 mL**
6	A 40 g block of clay is cut into 10 equal pieces. What is the mass of each piece?	**4 g**

PART 2 · APPLY IT

1. **60 g** Add the two masses: 27 + 33 = 60 g.
2. **25 mL** Subtract the amount used: 48 - 23 = 25 mL.

CHALLENGE

The clay balls have a total mass of 88 g because 11 equal groups of 8 g make 88 g.

Accept correct equations or words that show the chosen operation. Answers must include g or mL as appropriate.