LESSON MAKER PRO

Measure It Out

Solve everyday measurement and data problems.

GRADE 3 · 3.MDR.5

3.MDR.5 "Solve real-life, mathematical problems involving length, liquid volume, mass, and time and analyze graphical displays of data to answer relevant questions."

NAME _____ DATE _____

USE THE NUMBERS

Read the unit and decide whether to add, subtract, multiply, or find elapsed time. When you read a graph, use the bar heights to compare amounts.

WORKED EXAMPLE

A kite string is 18 cm long. Another string is 7 cm long. How long are the strings together?

1. Add the lengths: 18 cm + 7 cm.
2. 18 cm + 7 cm = 25 cm.

Answer: 25 cm

PRACTICE 5 problems

1 A 42 cm ribbon is cut into a 16 cm piece. How much ribbon is left?

ANSWER _____

2 A bag of apples has a mass of 4 kg. A bag of oranges has a mass of 6 kg. What is the total mass?

ANSWER _____

3 A cooler holds 12 L of water. After 3 L are poured out, how much water is left?

ANSWER _____

4 A movie starts at 1:20 and ends at 1:55. How many minutes long is the movie?

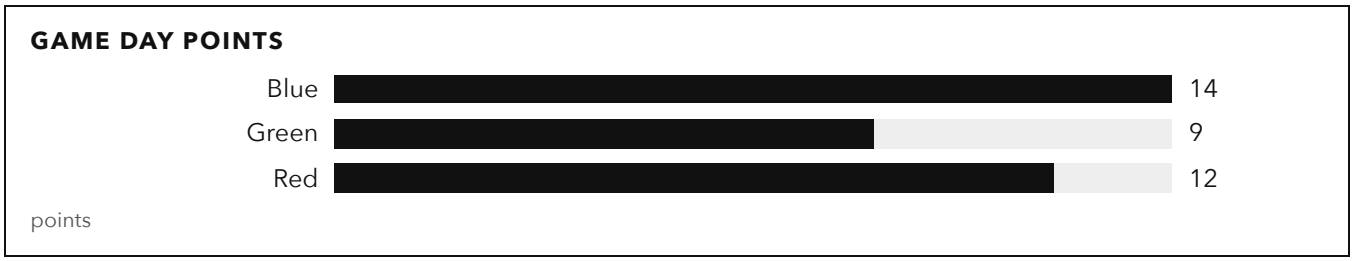
ANSWER _____

5 Four bottles each hold 6 L of juice. How many liters of juice do the bottles hold altogether?

ANSWER _____

APPLY IT Show your work

1 Use the bar graph. How many more points did Blue earn than Green?



ANSWER _____

2 A pet rescue has 17 lb of dog food. The dogs eat 6 lb in the morning and 5 lb in the afternoon. How many pounds of dog food are left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game starts at 4:38. You play for 22 minutes, take a 16-minute break, and then play for 19 more minutes. What time does the game end?

WORK SPACE AND ANSWER

ANSWER KEY

Measure It Out

GRADE 3 · 3.MDR.5

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A 42 cm ribbon is cut into a 16 cm piece. How much ribbon is left?	**26 cm**
2	A bag of apples has a mass of 4 kg. A bag of oranges has a mass of 6 kg. What is the total mass?	**10 kg**
3	A cooler holds 12 L of water. After 3 L are poured out, how much water is left?	**9 L**
4	A movie starts at 1:20 and ends at 1:55. How many minutes long is the movie?	**35 minutes**
5	Four bottles each hold 6 L of juice. How many liters of juice do the bottles hold altogether?	**24 L**

PART 2 · APPLY IT

1. **5 points** Blue earned 14 points and Green earned 9 points. Subtract 9 from 14.
2. **6 lb** Add the food eaten, 6 lb + 5 lb = 11 lb. Subtract 11 lb from 17 lb.

CHALLENGE

5:35

Accept correct answers with equivalent unit wording, such as 35 min for 35 minutes. For the challenge, accept 5:35 with a correct sequence of elapsed-time steps.