LESSON MAKER PRO

Measure It Out

Solve real-life problems with time, distance, volume, mass, and money.

GRADE 4 · 4.MD.A.2

CCSS.Math.Content.4.MD.A.2 "Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals..."

NAME _____ DATE _____

CHOOSE UNITS AND OPERATIONS

Read the measurement and its unit carefully. Change to a smaller unit when needed, then use addition, subtraction, multiplication, or division to solve the problem.

WORKED EXAMPLE

The clock shows when art club begins. Art club lasts 35 minutes. What time does it end?



1. Start at 6:20.
2. Add 30 minutes to get 6:50.
3. Add 5 more minutes to get 6:55.

Answer: 6:55

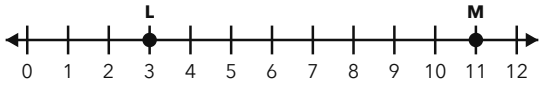
PRACTICE 6 problems

1 The clock shows when a bike ride begins. The ride lasts 30 minutes. What time does it end?



ANSWER _____

2 The number line shows two trail markers. Each number line unit is 1 mile. How far apart are markers L and M?



ANSWER _____

3 A water tank holds 4 gallons. How many quarts of water can it hold?

ANSWER _____

4 Noah has $5.00. He buys a snack for $1.75 and a drink for $2.40. How much money does he have left?

ANSWER _____

5 Four identical water bottles each hold 0.8 liter. How many liters do the bottles hold altogether?

ANSWER _____

6 A puppy weighs 3 lb 4 oz. A kitten weighs 1 lb 12 oz. What is their combined mass?

ANSWER _____

APPLY IT Show your work

1 The table shows the distance for a skate park loop. Jalen skates 4 laps. How many miles does he skate altogether?

SKATE PARK LOOP

Part	Distance
1 lap	3/4 mile
Number of laps	4

ANSWER _____

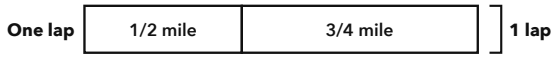
2 Maya has $12.00 to spend at a school festival. She buys a wristband for $3.25 and a game card for $4.50. How much money does she have left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

The tape diagram shows one lap of a robot race. A team completes 4 laps. How many miles does the team travel? Explain your reasoning.



WORK SPACE AND ANSWER

ANSWER KEY

Measure It Out

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	The clock shows when a bike ride begins. The ride lasts 30 minutes. What time does it end?	**7:55**
2	The number line shows two trail markers. Each number line unit is 1 mile. How far apart are markers L and M?	**8 miles**
3	A water tank holds 4 gallons. How many quarts of water can it hold?	**16 quarts**
4	Noah has $5.00. He buys a snack for $1.75 and a drink for $2.40. How much money does he have left?	**$0.85**
5	Four identical water bottles each hold 0.8 liter. How many liters do the bottles hold altogether?	**3.2 liters**
6	A puppy weighs 3 lb 4 oz. A kitten weighs 1 lb 12 oz. What is their combined mass?	**5 lb**

PART 2 · APPLY IT

1. **3 miles** Multiply the distance for one lap by the number of laps: 4 × 3/4 = 3.
2. **$4.25** Add the costs, $3.25 + $4.50 = $7.75. Subtract $7.75 from $12.00.

CHALLENGE

5 miles. One lap is 1/2 + 3/4 = 1 1/4 miles, and 4 × 1 1/4 = 5 miles.

Accept equivalent mass answers of 5 lb or 4 lb 16 oz for problem 6. Accept money answers with or without a dollar sign when the decimal value is correct.