

Plan It, Solve It

Use math to solve everyday problems.

GRADE 5 • TEKS 5.1.A

5.1.A "apply mathematics to problems arising in everyday life, society, and the workplace;"

NAME _____

DATE _____

MAKE A PLAN

A real-life math problem may take more than one operation. Identify the question and needed information, estimate, calculate in order, and label your answer with the correct unit.

WORKED EXAMPLE

A nature center buys 7 bags of birdseed at \$2.60 each. How much does it spend?

1. Each bag costs \$2.60.
2. Multiply: $7 \times \$2.60 = \18.20 .
3. The total cost is \$18.20.

Answer: \$18.20

PRACTICE 6 problems

- 1** The library has 48 new books. It puts the same number of books on 4 carts. How many books are on each cart?

ANSWER _____

- 2** A game costs \$9.75. You buy 3 games. How much do the games cost altogether?

ANSWER _____

- 3** A hiker walks $\frac{5}{8}$ mile in the morning and $\frac{1}{8}$ mile in the afternoon. How far does the hiker walk altogether?

ANSWER _____

- 4** A comic book has 72 pages. You read 18 pages each day. How many days will it take to finish the comic book?

ANSWER _____

- 5** A rectangular poster is 11 inches long and 9 inches wide. What is its area?

ANSWER _____

- 6** A pitcher holds 3.6 liters of lemonade. After 1.4 liters are poured into cups, how much lemonade is left?

ANSWER _____

APPLY IT Show your work

- 1** At the school book fair, Jalen has \$42.00. He earns \$18.50 for helping set up. Then he buys 3 graphic novels that cost \$11.25 each. How much money does Jalen have left?

WORK SPACE

ANSWER _____

- 2** The science club is filling 6 small terrariums. Each terrarium needs $\frac{3}{4}$ liter of soil mix. The club has 5 $\frac{1}{4}$ liters of soil mix. How much soil mix will be left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

For a class party, 28 students each need $\frac{3}{4}$ cup of juice. Juice boxes hold 6 cups each and cost \$3 each. What is the least number of juice boxes to buy, and how much will they cost?

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	The library has 48 new books. It puts the same number of books on 4 carts. How many books are on each cart?	12 books
2	A game costs \$9.75. You buy 3 games. How much do the games cost altogether?	\$29.25
3	A hiker walks $\frac{5}{8}$ mile in the morning and $\frac{1}{8}$ mile in the afternoon. How far does the hiker walk altogether?	$\frac{3}{4}$ mile
4	A comic book has 72 pages. You read 18 pages each day. How many days will it take to finish the comic book?	4 days
5	A rectangular poster is 11 inches long and 9 inches wide. What is its area?	99 square inches
6	A pitcher holds 3.6 liters of lemonade. After 1.4 liters are poured into cups, how much lemonade is left?	2.2 liters

PART 2 • APPLY IT

1. **\$26.75** Add \$42.00 and \$18.50 to get \$60.50. Find the cost of the novels, $3 \times \$11.25 = \33.75 , then subtract to get \$26.75.
2. **$\frac{3}{4}$ liter** The terrariums need $6 \times \frac{3}{4} = 4 \frac{1}{2}$ liters. Subtract $4 \frac{1}{2}$ liters from $5 \frac{1}{4}$ liters to get $\frac{3}{4}$ liter.

CHALLENGE

4 juice boxes, \$12

Accept equivalent fraction forms when they are correct, such as 0.75 liter for $\frac{3}{4}$ liter. Accept money answers with or without a zero in the hundredths place when the value is the same.