LESSON MAKER PRO

Think in Units

Use quantities, units, and equations.

GRADE 6 · 6.MP.2

6.MP.2 "Reason abstractly and quantitatively."

NAME _____ DATE _____

MAKE NUMBERS MEAN SOMETHING

Decide what each number counts and name its unit. Write an equation that matches the situation, solve it, then check whether the unit and size of your answer make sense.

WORKED EXAMPLE

Mika buys 14 tickets for $3.50 each. What is the total cost?

1. Each ticket costs $3.50.
2. Write: 14 x 3.50 = total cost.
3. Compute: 14 x 3.50 = 49.00.
4. The answer is in dollars, so the cost is $49.00.

Answer: $49.00

PRACTICE 5 problems

1 A student buys 8 markers for $2 each. Write an equation and find the cost.

ANSWER _____

2 A runner completes 6 laps that are 3/4 mile each. How far does the runner go?

ANSWER _____

3 A game score is 120 points. A penalty removes 35 points. What is the new score?

ANSWER _____

4 A food drive packs 45 cans equally into 5 bags. How many cans are in each bag?

ANSWER _____

5 A recipe needs 2/3 cup of oats for each batch. How many cups are needed for 3 batches?

ANSWER _____

APPLY IT Show your work

1 The art club has $50. It buys 7 sketchbooks for $6 each. How much money is left?

WORK SPACE

ANSWER _____

2 For a gaming tournament, 27 players form 3 equal teams. How many players are on each team?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Three wristbands cost $7.50 at the same price each. How much would 8 wristbands cost? Explain how you used the price of one wristband.

WORK SPACE AND ANSWER

ANSWER KEY

Think in Units

GRADE 6 · 6.MP.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A student buys 8 markers for $2 each. Write an equation and find the cost.	**8 x $2 = $16**
2	A runner completes 6 laps that are 3/4 mile each. How far does the runner go?	**6 x 3/4 = 4 1/2 miles**
3	A game score is 120 points. A penalty removes 35 points. What is the new score?	**120 - 35 = 85 points**
4	A food drive packs 45 cans equally into 5 bags. How many cans are in each bag?	**45 / 5 = 9 cans per bag**
5	A recipe needs 2/3 cup of oats for each batch. How many cups are needed for 3 batches?	**3 x 2/3 = 2 cups**

PART 2 · APPLY IT

1. **$8** The sketchbooks cost 7 x $6 = $42. Subtract: $50 - $42 = $8.
2. **9 players** Divide the total players by the number of teams: 27 / 3 = 9.

CHALLENGE

$20.

Accept equivalent equations and correct unit labels. For the challenge, accept any clear explanation that finds a $2.50 unit price and a $20 total.