LESSON MAKER PRO

Rate Ready

Find how much goes with one.

GRADE 6 · 6.RP.A.2

CCSS.Math.Content.6.RP.A.2 "Understand the concept of a unit rate a/b associated with a ratio a:b with b ≠ 0, and use rate language in the context of a ratio relationship. For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar..."

NAME _____ DATE _____

UNIT RATE

A unit rate tells how much of one quantity goes with exactly 1 of another quantity. To find it, divide the first quantity by the second quantity. Use the word per to name the rate clearly.

WORKED EXAMPLE

A baker packs 27 rolls into 9 boxes. What is the unit rate in rolls per box?

1. Write the rate as 27 rolls / 9 boxes.
2. Divide: 27 / 9 = 3.
3. Name the rate using per.

Answer: 3 rolls per box

PRACTICE 6 problems

1 A necklace has a ratio of 14 red beads to 7 blue beads. Find the unit rate in red beads per blue bead.

ANSWER _____

2 A museum charges $35 for 5 student tickets. Find the unit rate in dollars per ticket.

ANSWER _____

3 A drink mix uses 10 cups of juice for 15 cups of water. Find the unit rate in cups of juice per cup of water.

ANSWER _____

4 A crafter uses 11 meters of ribbon for 2 gifts. Find the unit rate in meters of ribbon per gift.

ANSWER _____

5 A player scores 16 points in 4 games. Find the unit rate in points per game.

ANSWER _____

6 A market sells 13 pounds of apples for $26. Find the unit rate in dollars per pound.

ANSWER _____

APPLY IT Show your work

1 At an esports club, a team earns 52 coins in 4 matches. How many coins does the team earn per match?

WORK SPACE

ANSWER _____

2 Maya saves $28 over 7 weeks to buy a game. How much does she save per week?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Team A earns 44 points in 8 rounds. Team B earns 45 points in 5 rounds. Which team earns more points per round? Explain using unit rates.

WORK SPACE AND ANSWER

ANSWER KEY

Rate Ready

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A necklace has a ratio of 14 red beads to 7 blue beads. Find the unit rate in red beads per blue bead.	**2 red beads per blue bead**
2	A museum charges $35 for 5 student tickets. Find the unit rate in dollars per ticket.	**$7 per ticket**
3	A drink mix uses 10 cups of juice for 15 cups of water. Find the unit rate in cups of juice per cup of water.	**2/3 cup of juice per cup of water**
4	A crafter uses 11 meters of ribbon for 2 gifts. Find the unit rate in meters of ribbon per gift.	**11/2 meters of ribbon per gift**
5	A player scores 16 points in 4 games. Find the unit rate in points per game.	**4 points per game**
6	A market sells 13 pounds of apples for $26. Find the unit rate in dollars per pound.	**$2 per pound**

PART 2 · APPLY IT

1. **13 coins per match** Divide 52 coins by 4 matches. The team earns 13 coins per match.
2. **$4 per week** Divide $28 by 7 weeks. Maya saves $4 per week.

CHALLENGE

Team A earns 11/2 points per round, and Team B earns 9 points per round. Team B earns more points per round.

Accept equivalent forms for fractional rates, such as 5 1/2 points per round for 11/2. Students should include the correct units and use rate language with per.