LESSON MAKER PRO

Ratio Word Decoder

Turn ratio symbols into clear comparison sentences.

GRADE 6 · 6.PFA.1.d

6.PFA.1.d "Create a relationship in words for a given ratio expressed symbolically."

NAME _____ DATE _____

READ THE ORDER

A ratio written A:B compares two quantities in that order. Read it as, "For every A of the first quantity, there are B of the second quantity."

WORKED EXAMPLE

Write a relationship in words for apples:oranges = 7:11.

1. Read the left side first: 7 apples.
2. Read the right side next: 11 oranges.
3. Use "for every" to connect the quantities.

Answer: For every 7 apples, there are 11 oranges.

PRACTICE 6 problems

1 Write a relationship in words for blue beads:green beads = 2:5.

ANSWER _____

2 Write a relationship in words for books checked out:books returned = 9:4.

ANSWER _____

3 Write a relationship in words for goals scored:saves = 6:1.

ANSWER _____

4 Write a relationship in words for cat videos:science videos = 3:12.

ANSWER _____

5 Write a relationship in words for stickers earned:stickers traded = 8:3.

ANSWER _____

6 Write a relationship in words for minutes reading:minutes drawing = 4:9.

ANSWER _____

APPLY IT Show your work

1 At a game design club, sketch cards:coding cards = 5:2. Write the relationship in words.

WORK SPACE

ANSWER _____

2 For a school spirit video, clips filmed indoors:clips filmed outdoors = 10:3. Write the relationship in words.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A music app playlist has pop songs:rock songs:hip-hop songs = 2:3:5. Write a relationship in words that compares all three types of songs.

WORK SPACE AND ANSWER

ANSWER KEY

Ratio Word Decoder

GRADE 6 · 6.PFA.1.d

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write a relationship in words for blue beads:green beads = 2:5.	**For every 2 blue beads, there are 5 green beads.**
2	Write a relationship in words for books checked out:books returned = 9:4.	**For every 9 books checked out, there are 4 books returned.**
3	Write a relationship in words for goals scored:saves = 6:1.	**For every 6 goals scored, there is 1 save.**
4	Write a relationship in words for cat videos:science videos = 3:12.	**For every 3 cat videos, there are 12 science videos.**
5	Write a relationship in words for stickers earned:stickers traded = 8:3.	**For every 8 stickers earned, there are 3 stickers traded.**
6	Write a relationship in words for minutes reading:minutes drawing = 4:9.	**For every 4 minutes reading, there are 9 minutes drawing.**

PART 2 · APPLY IT

1. **For every 5 sketch cards, there are 2 coding cards.** Read sketch cards first because they are on the left side of the ratio. Then state the 2 coding cards.
2. **For every 10 clips filmed indoors, there are 3 clips filmed outdoors.** Keep the ratio order. The first number describes indoor clips, and the second number describes outdoor clips.

CHALLENGE

For every 2 pop songs, there are 3 rock songs and 5 hip-hop songs.

Accept equivalent sentence structures only when the quantities and their order match the stated ratio. Accept “there is” or “there are” when the wording is grammatically correct.