

# EXERCISE: Ratios and Proportions

Instructions:

Answer the following problems on your own or with a partner. Consult with your facilitator for the answer key. You will need to show/explain your solution.

## Section 1: Equivalent Ratios

Fill in the blank to make an equivalent ratio.

|                                             |                                              |                                                |
|---------------------------------------------|----------------------------------------------|------------------------------------------------|
| 1. $10 : 18 = \underline{\hspace{1cm}} : 9$ | 3. $48 : \underline{\hspace{1cm}} = 8 : 9$   | 5. $63 : \underline{\hspace{1cm}} = 7 : 8$     |
| 2. $\underline{\hspace{1cm}} : 21 = 5 : 7$  | 4. $36 : 75 = 12 : \underline{\hspace{1cm}}$ | 6. $10 : 100 = \underline{\hspace{1cm}} : 200$ |

## Section 2: Finding the Proportion

Find the proportion between the numbers.

|                  |                  |                  |
|------------------|------------------|------------------|
| 1. 4,20 and 7,35 | 3. 7,28 and 1,4  | 5. 6,60 and 8,80 |
| 2. 2,8 and 6,24  | 4. 3,18 and 9,54 | 6. 4,20 and 8,40 |

## Section 3: Equivalent Ratios Word Problems

Answer the following word problems. Show your complete solution.

1. Timothy is on his school's basketball team. He usually scores 6 points per quarter. If there are 4 quarters in the game, how many points does Timothy score in one game?
2. Annie loves to make loom bands for her friends. If she makes 3 loom bands per week, how many does she make in a 4-week month?
3. At the canteen, you can buy 3 cookies for 21 pesos. How many cookies can you buy with 126 pesos?
4. Dra. Quackie sees one patient every 30 minutes. If she works for 7 hours per day, how many patients does she see in one day?
5. It takes Jose Rizal 3 hours to paint someone's portrait. How many hours would it take for him to paint all 8 of his girlfriends' portraits?

# Instruction Manual For Ratios Proportions

**Anthony S. Fauci**



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## **Table of Contents Instruction Manual For Ratios Proportions**

1. Understanding the eBook Instruction Manual For Ratios Proportions
  - The Rise of Digital Reading Instruction Manual For Ratios Proportions
  - Advantages of eBooks Over Traditional Books
2. Identifying Instruction Manual For Ratios Proportions
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Instruction Manual For Ratios Proportions
  - User-Friendly Interface
4. Exploring eBook Recommendations from Instruction Manual For Ratios Proportions
  - Personalized Recommendations

- Instruction Manual For Ratios Proportions User Reviews and Ratings
- Instruction Manual For Ratios Proportions and Bestseller Lists
- 5. Accessing Instruction Manual For Ratios Proportions Free and Paid eBooks
  - Instruction Manual For Ratios Proportions Public Domain eBooks
  - Instruction Manual For Ratios Proportions eBook Subscription Services
  - Instruction Manual For Ratios Proportions Budget-Friendly Options
- 6. Navigating Instruction Manual For Ratios Proportions eBook Formats
  - ePub, PDF, MOBI, and More
  - Instruction Manual For Ratios Proportions Compatibility with Devices
  - Instruction Manual For Ratios Proportions Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Instruction Manual For Ratios Proportions
  - Highlighting and Note-Taking Instruction Manual For Ratios Proportions
  - Interactive Elements Instruction Manual For Ratios Proportions
- 8. Staying Engaged with Instruction Manual For Ratios Proportions
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Instruction Manual For Ratios Proportions
- 9. Balancing eBooks and Physical Books Instruction Manual For Ratios Proportions
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Instruction Manual For Ratios Proportions
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Instruction Manual For Ratios Proportions
  - Setting Reading Goals Instruction Manual For Ratios Proportions
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Instruction Manual For Ratios Proportions
  - Fact-Checking eBook Content of Instruction Manual For Ratios Proportions

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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