

CMP2

Adapting the Text Resources to Meet
the Needs of Learners

Resources Provided by Prentice-Hall

- ACE Questions
- Special Needs Handbook
- Examview Test Generator
- Lessonview Planner

ACE Questions

- ACE = Applications, Connections, & Extensions
- Core Problems Identified in Lesson Plans
 - These are skill based essentials
- Trade-Up to Extension Problems
 - Allows more advanced students to practice essential skills in a more challenging context

Sample Application Questions

19. Find the value for N that makes each number sentence correct.

a. $\frac{2}{3} + \frac{3}{4} = N$

b. $\frac{3}{4} + N = \frac{4}{5}$

c. $N - \frac{3}{5} = \frac{1}{4}$

For Exercises 20–25, find each sum or difference.

20. $2\frac{5}{6} + 1\frac{1}{3}$

21. $15\frac{5}{8} + 10\frac{5}{6}$

22. $4\frac{4}{9} + 2\frac{1}{5}$

23. $6\frac{1}{4} - 2\frac{5}{6}$

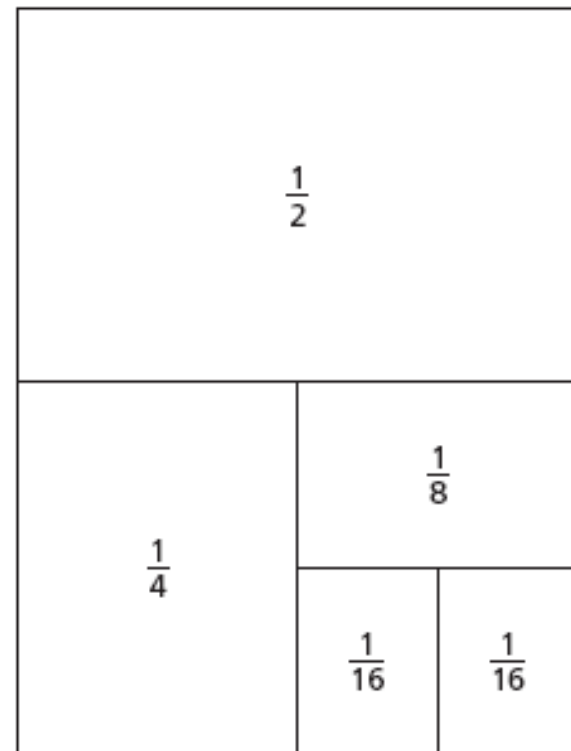
24. $3\frac{1}{2} - 1\frac{4}{5}$

25. $4\frac{1}{3} - \frac{5}{12}$

More Sample Application Questions

2. A local magazine sells space for ads. It charges advertisers according to the fraction of a page each ad fills.
- Advertisers purchase $\frac{1}{8}$ and $\frac{1}{16}$ of a page. What fraction of the page is used for ads?
 - What fraction of the page remains for other uses? Explain.
3. The Cool Sub Shop is having its grand opening. The owner buys three $\frac{1}{4}$ -page ads, four $\frac{1}{8}$ -page ads, and ten $\frac{1}{16}$ -page ads. What is the total amount of ad space that the owner buys?

Sample Magazine Page



Sample Connection Questions

Connections

28. Suppose you select a number in the interval from $\frac{1}{2}$ to $\frac{3}{4}$ and a number in the interval from $\frac{3}{4}$ to $1\frac{1}{4}$. What is the least their sum can be? What is the greatest their sum can be? Explain your reasoning. (Note: The numbers $\frac{1}{2}$ and $\frac{3}{4}$ are included in the interval from $\frac{1}{2}$ to $\frac{3}{4}$.)

Sample Extension Question

Extensions

- 48.** *The Spartan* magazine wants to charge \$160 for each full page of advertising.
- Develop a pricing plan to show the cost for each size ad shown below. Explain.
 $\frac{1}{32}$ page, $\frac{1}{16}$ page, $\frac{1}{8}$ page, $\frac{1}{4}$ page, $\frac{1}{2}$ page, 1 page
 - Use the pricing plan you developed. What is the bill for the Cool Sub Shop if the owner purchases three $\frac{1}{4}$ -page ads, four $\frac{1}{8}$ -page ads, and a $\frac{1}{16}$ -page ad?
 - The senior class is raising money for their senior trip. They have \$80 to spend on advertising. Geraldo says they can purchase two $\frac{1}{8}$ -page ads and four $\frac{1}{16}$ -page ads with their money. According to your pricing plan in part (a), is he correct? Explain.
 - Use your pricing plan from part (a). Find four different sets of ad sizes that the senior class can purchase for \$80. Show why your answers are correct.

Special Needs Handbook

- Includes adapted Blackline Masters
- These provide guided structure & hints
 - One ACE problem per chapter (topic)
 - One assessment tool per unit.
 - Can be used “as is”
 - Or as models

Application Questions from the Student Book

In a recent survey, 150 dog owners and 200 cat owners were asked what type of food their pets liked. Here are the results of the survey.

Pet Food Preferences

Preference	Out of 150 Dog Owners	Out of 200 Cat Owners
Human Food Only	75	36
Pet Food Only	45	116
Human and Pet Food	30	48

16. Find the food category that the greatest number of dog owners say is favored by their pets. Write the number in this category as a fraction, as a decimal, and as a percent of the total dog owners surveyed.
17. Find the food category that the greatest number of cat owners say is favored by their pets. Write the number in this category as a fraction, as a decimal, and as a percent of the total cat owners surveyed.

In a recent survey, **150 dog owners** and **200 cat owners** were asked what type of food their pets liked. Here are the results of the survey.

Pet Food Preferences

Preference	Out of 150 Dog Owners	Out of 200 Cat Owners
Human food only	75	36
Pet food only	45	116
Human and pet food	30	48

Pet Food Preferences

Preference	Dog Owners	Cat Owners
Human food only	$\frac{75}{150} =$	
Pet food only		$\frac{116}{200} =$
Human and pet food		

On this table, write the same information as fractions and decimals.

16. Find the food category that the **greatest number of dog owners** say is favored by their pets.

Write this number as a fraction:

Write this number as a decimal:

Write this number as a percent:

17. Find the food category that the **greatest number of cat owners** say is favored by their pets.

Write this number as a fraction:

Write this number as a decimal:

Write this number as a percent:

Special Needs Adaptation

- Notice support provided
 - Diagram
 - Question Breakdown

Examview Test Generator

- Two question banks per Unit
 - One with basic level questions
 - One with more advanced questions
- Make worksheets for drill practice
- Adapt assessments for students who require more structure

7th Grade WA GLE 1.5.2: Understand and apply concepts and Procedures from Algebraic Sense

7

Determine a rule for linear patterns and sequences with combinations of two operations in the rule. W

EXAMPLES

- EX** Write a rule to represent a pattern with combinations of two arithmetic operations in the rule.
- EX** Use an equation or graph to describe a linear relationship.
- EX** Use technology to determine the rule for a linear pattern or sequence.
- EX** Create a representation of a linear relationship given a rule and explains what makes it a linear relationship.

Lessonview Planner

- Allows teachers to customize lessons to include warm-ups, extra practice, advanced applications.
- Customized lesson plans help with organization & with the success of substitute teachers

Questions?
