



Area Situations

Let's apply what we've learned about fraction multiplication.

Warm-up

Number Talk: Multiply Fractions

Find the value of each expression mentally.

- $3 \times (10 \div 2)$

- $\frac{3}{2} \times 10$

- $(\frac{14}{7}) \times 10$

- $14 \times \frac{10}{7}$

Activity 1

Info Gap: Area

Your teacher will give you either a Problem Card or a Data Card. Do not show or read your card to your partner.

Problem Card Student

Silently read the Problem Card.

Data Card Student

Silently read the Data Card.

“Can you tell me ___ ?”

(Ask for a specific piece of information.)

“I need to know ___ because. . .”

“I have enough information to solve this problem.”

Display the Problem Card.

“Why do you need to know ___ ?”

(Repeat the information requested)

Listen to your partner’s reason.

Answer with information from the Data Card.

Solve the problem independently.

Continue to ask questions if more information is needed.

Share the Data Card. Then compare strategies and solutions.

Pause here so your teacher can review your work. Ask your teacher for a new set of cards. Repeat the activity, trading roles with your partner.

Activity 2

Fill in the Blank

Fill in the blanks to make each equation true.

$$1. \frac{1}{3} \times 18 = \underline{\quad}$$

$$2. \frac{7}{9} \times \underline{\quad} = \frac{21}{9}$$

$$3. \frac{1}{15} \times \underline{\quad} = 2$$

$$4. 9 \times 6\frac{2}{3} = \underline{\quad}$$

$$5. 14\frac{99}{100} \times 10 = \underline{\quad}$$

$$6. 7\frac{3}{5} \times 6 = \underline{\quad}$$

$$7. 4 \times 6\frac{9}{10} = \underline{\quad}$$