Unit 3, Lesson 17

Fraction Multiplication and Division Situations

Let's solve problems involving multiplying and dividing fractions.

Warm-up

Number Talk: Multiply and Divide

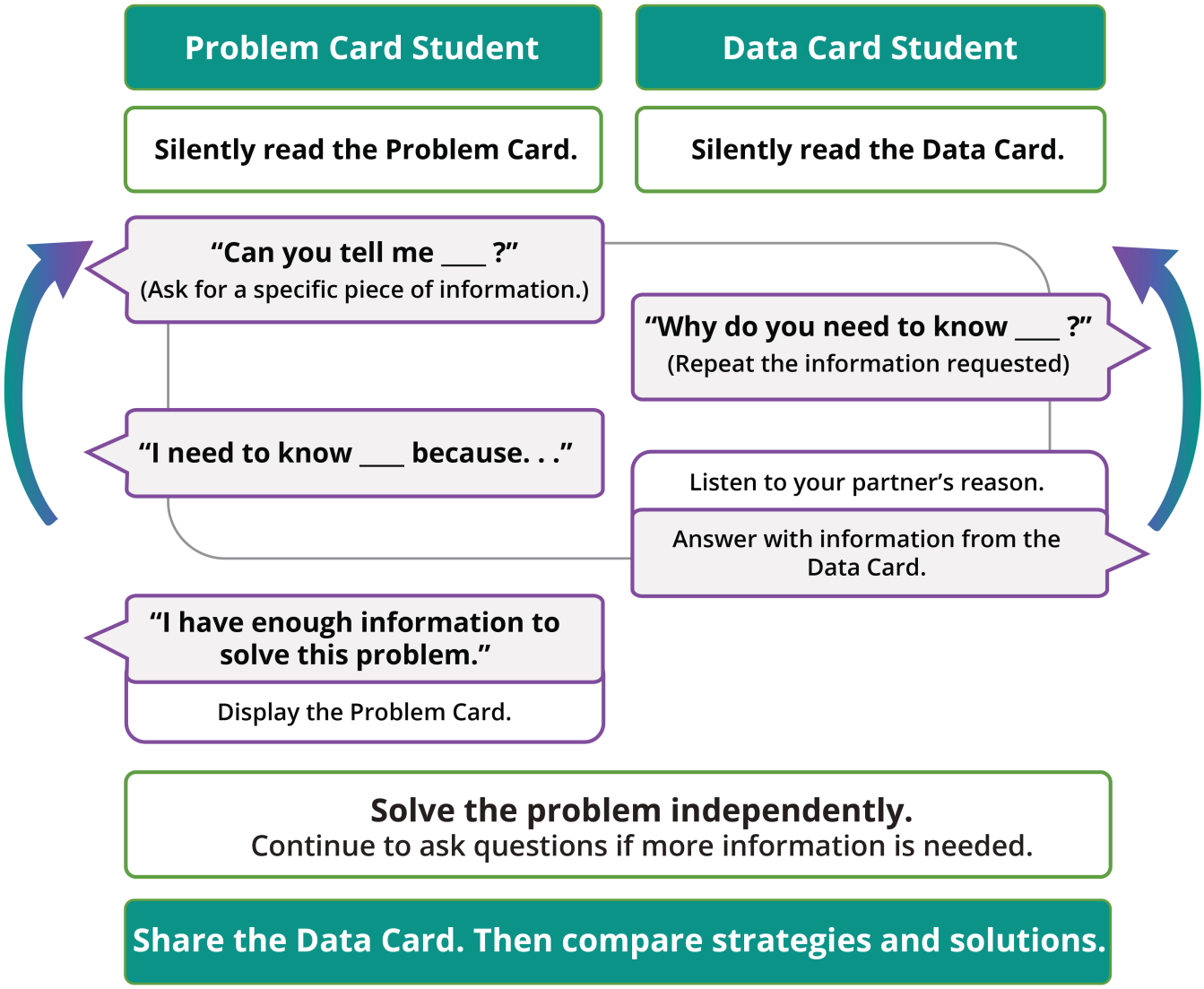
Find the value of each expression mentally.

- $5 \div \frac{1}{6}$
- $5 \times \frac{1}{6}$
- $\frac{1}{5} \div 6$
- $\frac{1}{5} \times \frac{1}{6}$

Activity 1

Info Gap: Tiles

Your teacher will give you either a problem card or a data card. Do not show or read your card to your partner.



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

Activity 2

Multiplication or Division

Solve each problem. Explain or show your reasoning.

1. If 11 grains of rice weigh $\frac{1}{3}$ gram, how much does each grain of rice weigh?

2. Mai's road is $\frac{9}{10}$ mile long. She ran $\frac{3}{4}$ of the length of her road. How far did she run?

3. If each tennis ball weighs $2\frac{1}{16}$ ounces, how much do 9 tennis balls weigh?