

I Have... Who Has...?

Aug 28-8:44 AM

INCLUDED IN THE STUDENT MANUAL

Task #4: Miles to Kilometers

The students in Mr. Sanchez's class are converting distances measured in miles to kilometers. To estimate the number of kilometers, Abby takes the number of miles, doubles it and then subtracts 20% of the result. Renato first divides the number of miles by 5 and then multiplies the result by 8.

- Write an algebraic expression for each method.
- Use your answer to part (a) to decide if the two methods give the same answer.

(<http://illustrativemathematics.org/illustrations/433>)

a) Abby: $2x - 0.2(2x)$ or $2x - 0.4x = 1.6x$

Renato: $(\frac{x}{5})8 = \frac{8}{5}x$

b) $\frac{8}{5} = 1.6$

Aug 28-8:45 AM

Homework!

INCLUDED IN THE STUDENT MANUAL

School Lunches & Movie Tickets

Find the cost of school lunches (adult and student) for three different area schools. Then create a table of values. Also find the number of students and teachers at each school.

Write an expression based on the table for each of the following:

Schools	Student	Adult
A		
B		
C		

A

B

C

- Cost of feeding 30 students and 5 adults.
- Cost of feeding 43 adults and 75 students.
- Cost of feeding each of the school's students and teachers.

Have students find movie tickets prices at five different cities around the country. Include adult, children, matinee and regular shows.

City	Adult matinee	Adult regular	Child matinee	Child regular
A				
B				
C				
D				
E				

A

B

C

D

E

- You have \$100. In which can you take the most adults and children to the matinee, if for every two children there is an adult?
- What is the cost of four children and three adults for a matinee in each of the five cities?
- Which city has the best deal for a family of five to attend the movies? Decide whether it is a matinee or regular show?

Aug 28-8:46 AM