

Homework

Predict whether the product will be greater than, less than, or equal to the second factor. Then compute the product.

1. $\frac{4}{5} \cdot 6 = x$

Predict: $x \bigcirc 6$ Compute: $x = \underline{\hspace{2cm}}$

2. $1\frac{1}{9} \cdot 6 = x$

Predict: $x \bigcirc 6$ Compute: $x = \underline{\hspace{2cm}}$

3. $\frac{10}{10} \cdot 6 = x$

Predict: $x \bigcirc 6$ Compute: $x = \underline{\hspace{2cm}}$

4. $\frac{2}{2} \cdot \frac{5}{6} = x$

Predict: $x \bigcirc \frac{5}{6}$ Compute: $x = \underline{\hspace{2cm}}$

5. $\frac{5}{6} \cdot \frac{5}{6} = x$

Predict: $x \bigcirc \frac{5}{6}$ Compute: $x = \underline{\hspace{2cm}}$

6. $1\frac{1}{3} \cdot \frac{5}{6} = x$

Predict: $x \bigcirc \frac{5}{6}$ Compute: $x = \underline{\hspace{2cm}}$ **Solve.***Show your work.*

7. James is $1\frac{3}{7}$ times as tall as his brother. His brother is $3\frac{1}{2}$ feet tall.

Is James's height more or less than $3\frac{1}{2}$ feet?

How tall is James?

8. South Middle School has 750 students. North Middle School has $\frac{13}{15}$ times as many students as South.

Does North Middle School have more or fewer than 750 students?

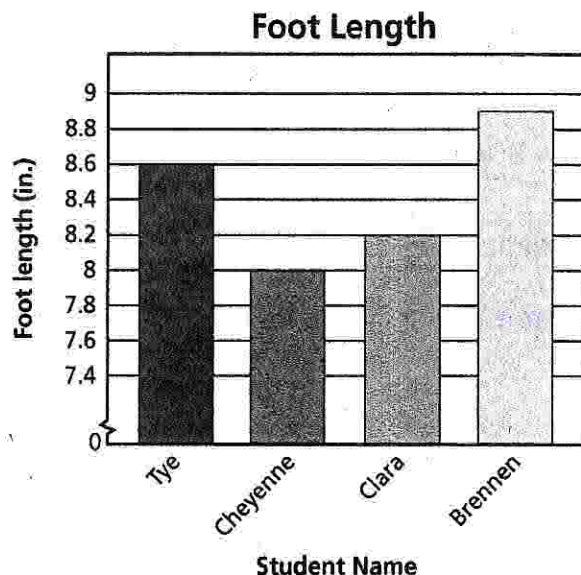
How many students attend North Middle School?

Remembering

Perry measured the foot length of four friends for a science fair experiment. Then, he made a bar graph to display his results.

1. How much longer is Brennen's foot than Clara's foot?

2. What is the difference between the longest foot and the shortest foot?



Solve.

3. $\frac{7}{8} \cdot \frac{4}{9}$

4. $11 - \frac{3}{4}$

5. $\frac{4}{5} + \frac{7}{10}$

6. $\frac{9}{12} - \frac{5}{12}$

7. $\frac{7}{15} + \frac{2}{3}$

8. $\frac{5}{6} \cdot \frac{9}{11}$

Complete each fraction box.

$\frac{7}{12}$ and $\frac{5}{6}$	
>	
+	
-	
·	

$\frac{4}{5}$ and $\frac{2}{3}$	
>	
+	
-	
·	

9. **Stretch Your Thinking** Write two multiplication equations using fractions and mixed numbers. Write one equation that will have a product greater than the first factor. Then write another equation that will have a product less than the first factor.
