

Name \_\_\_\_\_

Date \_\_\_\_\_

# Monster Hailstone

**Multiplying  
Simple Fractions**

Most hailstones are the size of small pebbles. On September 3, 1970, though, a hailstone measuring  $17\frac{1}{2}$  inches around fell on this Midwestern town. What is the name of this town and state?



**Answer:**

$\frac{7}{15}$   $\frac{2}{3}$   $\frac{3}{5}$   $\frac{3}{5}$   $\frac{1}{4}$   $\frac{1}{10}$   $\frac{3}{10}$  2  $\frac{9}{35}$   $\frac{9}{35}$   $\frac{1}{4}$   $\frac{4}{9}$   $\frac{3}{16}$   $\frac{1}{3}$   $\frac{3}{20}$   $\frac{3}{16}$   $\frac{3}{20}$

To answer the question, multiply the fractions and write your answers in simplest form. Write the letter of the problem in the space above its answer. (Some letters will be used more than once. Some letters will not be used.)

Y.  $\frac{1}{6} \times \frac{3}{5} =$

N.  $\frac{3}{5} \times \frac{5}{9} =$

I.  $8 \times \frac{1}{4} =$

S.  $\frac{5}{12} \times \frac{9}{25} =$

A.  $\frac{3}{10} \times \frac{5}{8} =$

U.  $\frac{3}{4} \times \frac{8}{15} =$

F.  $\frac{2}{3} \times \frac{9}{10} =$

V.  $\frac{12}{25} \times \frac{15}{24} =$

O.  $\frac{4}{5} \times \frac{5}{6} =$

C.  $\frac{2}{3} \times \frac{7}{10} =$

R.  $\frac{3}{10} \times \frac{5}{12} =$

K.  $\frac{10}{21} \times \frac{14}{15} =$

M.  $\frac{3}{4} \times 12 =$

W.  $\frac{2}{3} \times \frac{15}{16} =$

E.  $\frac{5}{8} \times \frac{2}{5} =$

L.  $\frac{6}{21} \times \frac{9}{10} =$

# Multiply Mixed Numbers

You must rewrite mixed numbers as improper fractions before you can multiply.  
Also remember to rewrite whole numbers as improper fractions.

Rewrite mixed numbers as improper fractions.	Multiply the numerators. Multiply the denominators.	Write the product in simplest form.
Multiply: $1\frac{2}{3} \times 2\frac{1}{4}$  $\frac{5}{3} \times \frac{9}{4}$	$\frac{5}{3} \times \frac{9}{4} = \frac{45}{12}$	$\frac{45}{12} = 3\frac{9}{12} = 3\frac{3}{4}$  The product is $3\frac{3}{4}$ .

You can use estimation to check your answers.

Check:

$$1\frac{2}{3} \times 2\frac{1}{4}$$

$$\begin{array}{c} \downarrow \\ 2 \end{array} \times \begin{array}{c} \downarrow \\ 2 \end{array} = 4$$



► Multiply. Use estimation to check your answers.

1.  $2\frac{1}{4} \times 3\frac{1}{2}$

2.  $\frac{1}{2} \times 1\frac{1}{5}$

3.  $1\frac{3}{4} \times 1\frac{2}{3}$

4.  $1\frac{1}{2} \times 2\frac{1}{6}$

5.  $3\frac{1}{4} \times \frac{8}{9}$

6.  $6 \times 1\frac{2}{3}$

7.  $\frac{3}{4} \times 3\frac{1}{2}$

8.  $\frac{5}{6} \times 2\frac{1}{3}$

9.  $8 \times 1\frac{3}{4}$



Solve.  $(2\frac{2}{3} \times 6) - 1\frac{3}{4}$

