Multiplying Fractions

Answer these as quickly as you can, saying your answer out loud or in your head...

1. What is $\frac{1}{3}$ of 9?

2. Find the missing number: $\frac{1}{4} \times \frac{6}{11} = \frac{1 \times 6}{? \times 11} = \frac{6}{44} = \frac{3}{22}$

3. If you wanted to find $\frac{1}{2}$ of $\frac{13}{17}$, what multiplication would you carry out?

Now try these. Do your working in the spaces, and copy your answers into the boxes. Give your answers in their simplest form. Some have already been done for you.

1 $\frac{2}{5} \times \frac{3}{4}$

$$\frac{2}{5} \times \frac{3}{4} = \frac{2 \times 3}{5 \times 4} = \frac{6}{20} = \frac{3}{10}$$
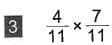
$$\boxed{\frac{3}{10}}$$

2 $\frac{1}{8} \times \frac{1}{5}$

3 $\frac{4}{11} \times \frac{7}{11}$

4 $\frac{8}{9} \times \frac{6}{7}$

5 $\frac{1}{3}$ of 15   *'Of' just means 'times'.*

$$\frac{1}{3} \text{ of } 15 = \frac{1}{3} \times 15 = \frac{15}{3}$$
$$= 15 \div 3 = 5$$

$$\boxed{5}$$

6 $\frac{1}{4}$ of 44

7 $\frac{3}{5}$ of 25

8 $\frac{5}{7}$ of 84

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For these, give your answers as mixed numbers in their simplest form.
One has been done for you.

9 $\dfrac{3}{4} \times 11$

$$\dfrac{3}{4} \times 11 = \dfrac{3}{4} \times \dfrac{11}{1} = \dfrac{3 \times 11}{4 \times 1} = \dfrac{33}{4} = 8\dfrac{1}{4}$$
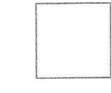
$$\boxed{8\dfrac{1}{4}}$$

10 $\dfrac{2}{5} \times 11$

11 $1\dfrac{1}{3} \times 7$

12 $5 \times 2\dfrac{1}{5}$

13 $3\dfrac{4}{5} \times 8$

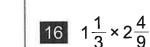**14** $1\dfrac{1}{2} \times \dfrac{3}{4}$

15 $3\dfrac{1}{10} \times \dfrac{1}{5}$

16 $1\dfrac{1}{3} \times 2\dfrac{4}{9}$

Multiplying fractions are the perfect way for a Calcugator to relax. How did you find these pages?