

MULTIPLY FRACTIONS

- **Multiply:** across numerators
denominators
- **Change:** mixed numerals into improper fractions
- **Reduce before:** multiplying any one numerator and any one denominator that have a common factor
- **Reduce:** answer.
★ Maybe change improper fractions into mixed numbers

Examples:

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

$$\boxed{\frac{3}{10}}$$

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

$$\boxed{\frac{2}{9}}$$

3. $3\frac{21}{2} \times \frac{1}{7}$

$$\boxed{1\frac{1}{2}}$$

4. $\frac{2}{15} \times \frac{3}{4}$

$$\boxed{\frac{1}{10}}$$

USING THE CALCULATOR

Always use parentheses around each fraction.

To get a fraction bar use division.

5. $\frac{17}{45} \times \frac{30}{34}$

$$\boxed{\frac{1}{3}}$$

6. $\frac{121}{51} \times \frac{18}{44}$

$$\boxed{\frac{33}{34}}$$

7. $\frac{24}{57} \times \frac{95}{12}$

$$\boxed{3\frac{1}{3}}$$

8. $\frac{21}{35} \times \frac{30}{14}$

$$\boxed{1\frac{2}{7}}$$

For each of the following, is it better to do the question by hand or with a calculator???

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

$$\boxed{\frac{3}{8}}$$

10. $\frac{33}{40} \times \frac{4}{121}$ CALCULATOR

$$\boxed{\frac{3}{110}}$$

11. $\frac{10}{27} \times \frac{9}{40} \times \frac{8}{45}$ CALCULATOR

$$\boxed{\frac{2}{135}}$$

12. $\frac{2}{7} \times \frac{7}{5}$ HAND

$$\boxed{\frac{2}{5}}$$

13. $\frac{2}{7} \times \frac{3}{7}$

$$\boxed{\frac{6}{49}}$$

HOMEWORK

Worksheet - Multiplying Fractions