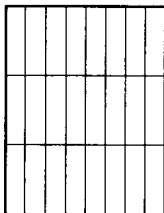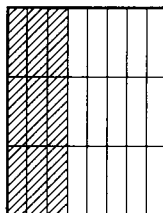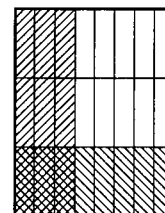**STUDY LINK 8·5**

Fractions of a Fraction

Example:

The whole rectangle represents ONE.

Shade $\frac{3}{8}$ of the interior.

Shade $\frac{1}{3}$ of the interior in a different way.

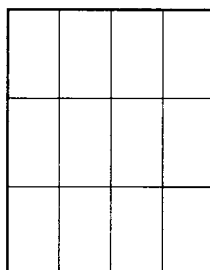The double shading shows that $\frac{1}{3}$ of $\frac{3}{8}$ is $\frac{3}{24}$, or $\frac{1}{8}$.

In each of the following problems, the whole rectangle represents ONE.

1. Shade $\frac{3}{4}$ of the interior.

Shade $\frac{1}{3}$ of the interior in a different way.

The double shading shows that
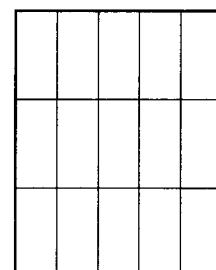
$\frac{1}{3}$ of $\frac{3}{4}$ is _____.

2. Shade $\frac{3}{5}$ of the interior.

Shade $\frac{2}{3}$ of the interior in a different way.

The double shading shows that
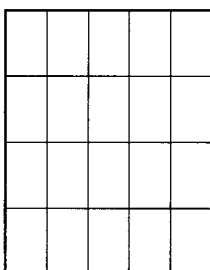
$\frac{2}{3}$ of $\frac{3}{5}$ is _____.

3. Shade $\frac{4}{5}$.

Shade $\frac{3}{4}$ of the interior in a different way.

The double shading shows that
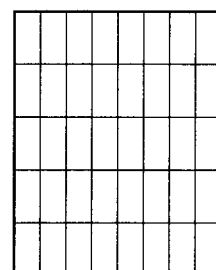
$\frac{3}{4}$ of $\frac{4}{5}$ is _____.

4. Shade $\frac{5}{8}$.

Shade $\frac{3}{5}$ of the interior in a different way.

The double shading shows that

$\frac{3}{5}$ of $\frac{5}{8}$ is _____.

5. Nina and Phillip cut Mr. Ferguson's lawn. Nina worked alone on her half, but Phillip shared his half equally with his friends, Ezra and Benjamin. What fraction of the earnings should each person get?

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