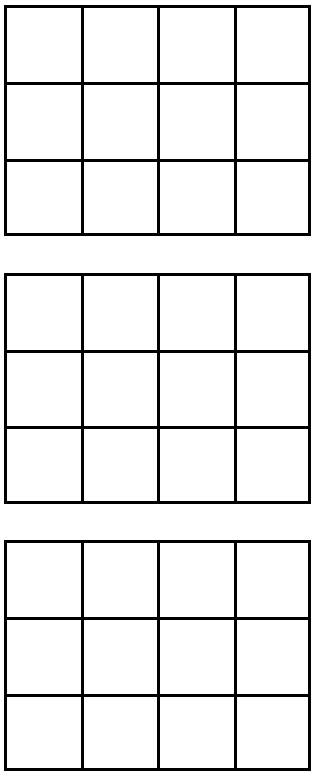
Simplifying Fractions on the TI-15

Turn the Calculator ON.

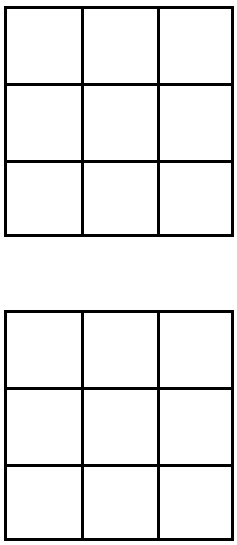
Press MODE and set the calculator to MANSIMP.

1. Enter $\frac{4}{12}$ in the calculator.
2. Press SIMP and ENTER.
3. What fraction did $\frac{4}{12}$ simplify to?
4. Since $\frac{N}{D} \rightarrow \frac{n}{d}$ is on the top of the display the fraction can be simplified further. Press SIMP and ENTER again.



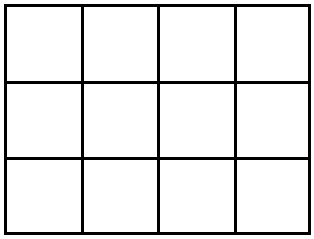
1. Shade in $\frac{4}{12}$ of this rectangle.
2. Shade the second rectangle to show how the original shading can illustrate this new simplified fraction.
3. Shade the third rectangle to show how the original shading can illustrate this new simplified fraction.

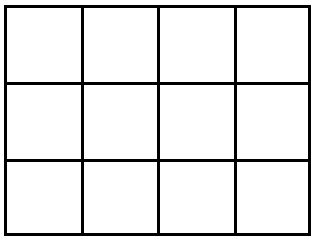
1. Enter $\frac{6}{9}$ in the calculator.
2. Press SIMP and ENTER.
3. What fraction did $\frac{6}{9}$ simplify to?
4. The fraction is simplified since $\frac{N}{D} \rightarrow \frac{n}{d}$ disappeared.



1. Shade in $\frac{6}{9}$ of this rectangle.
2. Shade the second rectangle to show how the original shading can illustrate this new simplified fraction.

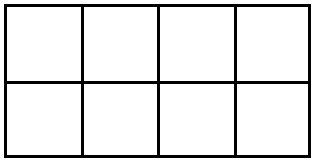
1. Enter $\frac{9}{12}$ in the calculator.
2. Press SIMP and ENTER.
3. What fraction did $\frac{9}{12}$ simplify to?
4. The fraction is simplified since $\frac{N}{D} \rightarrow \frac{n}{d}$ disappeared.

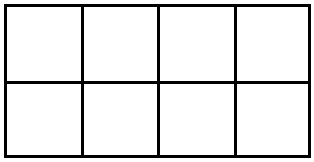




1. Shade in $\frac{9}{12}$ of this rectangle.
2. Shade the second rectangle to show how the original shading can illustrate this new simplified fraction.
3. Shade the third rectangle to show how the original shading can illustrate this new simplified fraction.

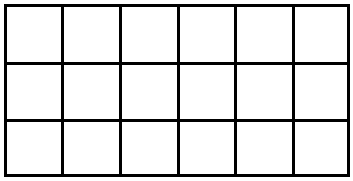
1. Enter $\frac{6}{8}$ in the calculator.
2. Press SIMP and ENTER.
3. What fraction did $\frac{6}{8}$ simplify to?
4. The fraction is simplified since $\frac{N}{D} \rightarrow \frac{n}{d}$ disappeared.

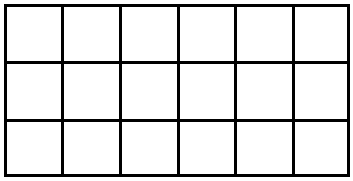




1. Shade in $\frac{6}{8}$ of this rectangle.
2. Shade the second rectangle to show how the original shading can illustrate this new simplified fraction.

1. Enter $\frac{10}{18}$ in the calculator.
2. Press SIMP and ENTER.
3. What fraction did $\frac{10}{18}$ simplify to?
4. The fraction is simplified since $\frac{N}{D} \rightarrow \frac{n}{d}$ disappeared.

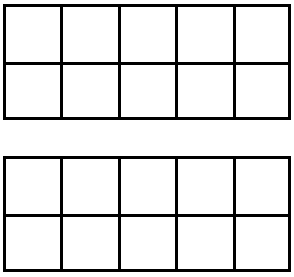




1. Shade in $\frac{10}{18}$ of this rectangle.
2. Shade the second rectangle to show how the original shading can illustrate this new simplified fraction.

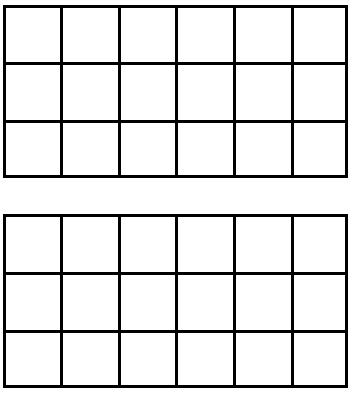
Try to do the picture first then use the calculator.

1. Shade in $\frac{6}{10}$ of this rectangle.
2. Shade the second rectangle to show how the original shading can be simplified. How did you do it? How does this illustrate that common factor of 6 and 10?



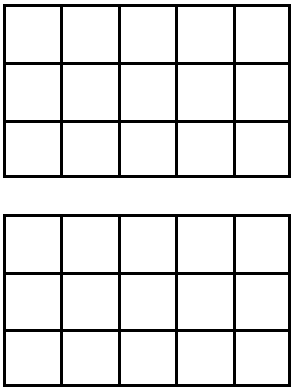
1. Enter $\frac{6}{10}$ in the calculator.
2. Press SIMP and the common factor. Then press ENTER.
3. Did you get the same answer as before for the simplified fraction?

1. Shade $\frac{8}{18}$ in of this rectangle.
2. Shade the second rectangle to show how the original shading can be simplified. How did you do it? How does this illustrate that common factor of 8 and 18?



1. Enter $\frac{8}{18}$ in the calculator.
2. Press SIMP and the common factor. Then press ENTER.
3. Did you get the same answer as before for the simplified fraction?

1. Shade $\frac{9}{15}$ in of this rectangle.
2. Shade the second rectangle to show how the original shading can be simplified. How did you do it? How does this illustrate that common factor of 9 and 15?



1. Enter $\frac{9}{15}$ in the calculator.
2. Press SIMP and the common factor. Then press ENTER.
3. Did you get the same answer as before for the simplified fraction?