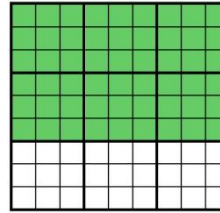


### Quick Check on Simplifying Fractions

1. State the fraction represented by the shaded tiles in simplest form.



2. Show the prime factorization of 180.

3. Find the greatest common factor between 12, 36, and 54.

4. The floor in the science lab is covered with 150 square tiles. 60 tiles have been damaged by a chemical spill. What fraction of the floor must be replaced? Express the fraction in simplest form.

5. Simplify  $\frac{20}{80}$

6. Simplify  $\frac{18}{42}$

7. Simplify  $\frac{63}{84}$

8. Simplify  $\frac{60}{144}$

9. Identify the values that are equal:  $\frac{6}{21}$     $\frac{12}{32}$     $\frac{12}{42}$     $\frac{16}{56}$     $\frac{27}{72}$     $\frac{24}{84}$

10. Arrange the numbers in order from smallest to largest:  $\frac{8}{20}$     $\frac{24}{30}$     $\frac{27}{45}$     $\frac{12}{60}$

#### Your Answers:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

Think you've got this? Score yourself by comparing your answers with the correct answers!