Advanced_Grade-5_Percentages

The Relationship between Fractions and Percentages

1.

Write as a fraction in simplest form.

| **14.** 75% | **15.** 28% | **16.** 66% | **17.** 80% | **18.** 13% |
| **19.** 37% | **20.** 64% | **21.** 22% | **22.** 15% | **23.** 78% |

2.

Write as a fractional percent.

| **21.** $\frac{5}{6}$ | **22.** $\frac{1}{6}$ | **23.** $\frac{1}{3}$ | **24.** $\frac{1}{8}$ | **25.** $\frac{2}{11}$ |
| **26.** $\frac{3}{17}$ | **27.** $\frac{1}{7}$ | **28.** $\frac{1}{9}$ | **29.** $\frac{7}{8}$ | **30.** $\frac{5}{8}$ |

3.

Write as an equivalent fraction or mixed number in simplest form.

| **22.** 80% | **24.** 48% | **25.** 340% | **26.** 605% |

4.

Write as a percent.

| **32.** $\frac{16}{100}$ | **33.** $\frac{9}{100}$ | **34.** $\frac{95}{100}$ | **35.** $\frac{44}{100}$ | **36.** $\frac{30}{100}$ | **37.** $\frac{89}{100}$ |
| **38.** $\frac{15}{100}$ | **39.** $\frac{57}{100}$ | **40.** $\frac{88}{100}$ | **41.** $\frac{1}{100}$ | **42.** $\frac{65}{100}$ | **43.** $\frac{100}{100}$ |

5.

Is it possible to shade a 10 × 10 grid so that it is 15% blue, 75% red, and 20% green? Explain your answer.