

## GMAT Fractions Practice Test 7

- What is the units digit of  $\left(\frac{6^6}{6^5}\right)^6$ ?
- Which of the following decimals can be expressed as a fraction or ratio of integers? (Choose all that apply.)  
 (A)  $\pi$       (B)  $0.\overline{146}$       (C)  $1.3984375$       (D)  $\sqrt{2}$
- What is the length of the sequence of different digits in the decimal equivalent of  $\frac{3}{7}$ ?
- Which of the following fractions will terminate when expressed as a decimal? (Choose all that apply.)  
 (A)  $\frac{1}{256}$       (B)  $\frac{27}{100}$       (C)  $\frac{100}{27}$       (D)  $\frac{231}{660}$       (E)  $\frac{7}{105}$

5.

$$\begin{array}{r} \bullet \blacklozenge \\ \times \blacksquare \blacklozenge \\ \hline \blacktriangle \blacksquare \blacklozenge \end{array}$$

In the multiplication above, each symbol represents a different unknown digit, and  $\bullet \times \blacksquare \times \blacklozenge = 36$ . What is the three digit integer  $\bullet \blacksquare \blacklozenge$ ?

- (A) 263      (B) 236      (C) 194      (D) 491      (E) 452

Determine whether problems #6–10 are TRUE or FALSE.

- $\left(\frac{-3}{4}\right)^2 > -\frac{3}{4}$
- $\left(\frac{-3}{4}\right)^3 > -\frac{3}{4}$
- $\left(\frac{-4}{3}\right)^3 > -\frac{4}{3}$
- $\left(\frac{x+1}{x}\right)^{-2} > \frac{x+1}{x}$ , where  $x$  is a positive integer.
- $\sqrt[4]{\left(\frac{3}{4}\right)^3} > \frac{3}{4}$
- A professional gambler has won 40% of his 25 poker games for the week so far. If, all of a sudden, his luck changes and he begins winning 80% of the time, how many more games must he play to end up winning 60% of all his games for the week?

