

## GMAT Fractions Practice Test 6

1. What is the units digit of  $(2)^5(3)^3(4)^2$ ?
2. What is the sum of all the possible 3-digit numbers that can be constructed using the digits 3, 4, and 5, if each digit can be used only once in each number?
3. In the decimal,  $2.4d7$ ,  $d$  represents a digit from 0 to 9. If the value of the decimal rounded to the nearest tenth is less than 2.5, what are the possible values of  $d$ ?
4. If  $k$  is an integer, and if  $0.02468 \times 10^k$  is greater than 10,000, what is the least possible value of  $k$ ?
5. Which integer values of  $b$  would give the number  $2002 \div 10^{-b}$  a value between 1 and 100?
6. Estimate to the nearest 10,000:  $\frac{4,509,982,344}{5.342 \times 10^4}$
7. Simplify:  $(4.5 \times 2 + 6.6) \div 0.003$
8. Simplify:  $(4 \times 10^{-2}) - (2.5 \times 10^{-3})$
9. What is  $4,563,021 \div 10^5$ , rounded to the nearest whole number?
10. Simplify:  $(0.08)^2 \div 0.4$
11. Data Sufficiency: The number  $A$  is a two-digit positive integer; the number  $B$  is the two-digit positive integer formed by reversing the digits of  $A$ . If  $Q = 10B - A$ , what is the value of  $Q$ ?
  - (1) The tens digit of  $A$  is 7.
  - (2) The tens digit of  $B$  is 6.
12. Simplify:  $[8 - (1.08 + 6.9)]^2$
13. Which integer values of  $j$  would give the number  $-37,129 \times 10^j$  a value between  $-100$  and  $-1$ ?

14. Simplify:  $\frac{0.00081}{0.09}$

15. Simplify:  $\sqrt[3]{0.00000256}$

**Question 16**

Order from least to greatest:      1.19       $\frac{120}{84}$       131.44%

**Question 17**

Order from least to greatest:       $2\frac{4}{7}$       2400%      2.401

**Question 18**

Order from least to greatest ( $x \neq 0$ ):  $\frac{50}{17}x^2$        $2.9x^2$        $(x^2)(3.10\%)$

**Question 19**

Order from least to greatest:       $\frac{500}{199}$       248,000%      2.9002003

**Question 20**

What number is 62.5% of 192?