

OCTOBER EXAM REVIEW

MULTIPLE CHOICE

- 1) What is the place value of the digit 6 in the number 459 253.03 967
- A) Thousandths B) Hundredths
C) Ten Thousandths D) Tenths
- 2) This distance from Montreal to Vancouver is $(3\ 000) + (600) + (90) + (4)$. This number is in which form?
- A) Exponential Form B) Expanded Form
C) Written Form D) Standard Form
- 3) Which number represents the following expression in Standard Form?
- $(9 \times 10^3) + (3 \times 10^1) + (2 \times 10^{-3}) + (8 \times 10^{-4})$
- A) 9 003. 028 B) 9 030.0028
C) 930. 0028 D) 930.028
- 4) A family's small business made \$465 342.67 in sales last year. Round this number to the nearest ten thousand.
- A) \$465 000 B) \$460 000
C) \$470 000 D) \$465 340
- 5) For which situation would estimating be most appropriate?
- A) The difference in age between your parents
B) The number of pets you have
C) The time it takes to do your homework
D) Your height

6) Which of the following statements is true?

A) $60^0 = 0$

B) $8^2 = 2^6$

C) $10^4 = \text{one hundred thousand}$

D) $1^{20} = 21$

7) If $n^5 - 3000 = 125$, n must be equal to what?

A) 3

B) 6

C) 4

D) 5

8) Which of the following statements is incorrect?

A) $18 \div 2 + 4 = 3$

B) $5^0 \times 16 \div 4 = 20$

C) $5 + (9 - 7)^3 = 13$

D) $8 - 6 + 7 \div 3 = 3$

SHORT ANSWER

9) Write the following numbers in standard form:

A) Two and three hundred ninety-eight thousandths

B) $9 \times 10^3 + 8 \times 10^1$

C) One thousand three hundred thousandths

D) 7×10^{-3}

10) Calculate:

A) The product of 3.4 and 9.8

B) The quotient of 4 032 and 56

11) Round 569 415 208. 569 to the nearest

A) Hundreds

B) Tenths

C) Hundred thousands

D) Ten Millions

12) Express the following in exponential notation

A) 2.239

B) 987 209

13) A) When 7 is added to four times a number (n) the sum is 23. What is the number?

B) When the square of a natural number is subtracted by 5 and then multiplied by two, its result is 40, what is the number?

14) Solve the following using order of operations

A) $6 \times 9 \times [(5 + 7) \times 2] \div 4 + 5 - 4 \times [(3^2 - 4)^2]$

B) $[9 - (6 - 5)^2] + 4 - 2^0 + [4^2 - 6 + 6^3 - 3^4]$

15) Write each of the following number in written form

A) 2 098 127

B) 0.02 598

C) 0.08 981 4

D) 59.00 23

16) Fill each box with the missing digit(s)

A) $521 - 3\boxed{} = 147$

B) $\boxed{}5 \div 55 = 9$

C) $4\boxed{} \times 21 = 840$

D) $987 - \boxed{}2 = 555$

17) Place the correct sign in the box

A) Five hundred thirty two ten thousandths

0.532

B) 5×10^5

five million

C) Sixty-five hundred thousandths

0.00 065

D) 1.0001×10^{-3}

0.0010001×10^0

WORD PROBLEMS

18) Val and Carl each set their alarms to ring at 7 am. Val's clock will ring again every 5 minutes and Carl's will ring again every 7 minutes. How long after 7 A.M. will their alarm's ring simultaneously?

At what time will they ring simultaneously for the fifth time?

19) Jeff would like to share his Halloween candy with his friends, he has 42 chocolates, 91 wafers and 35 sugar candies. How many sets of candies (with one of each type of candy) can he give to his friends?

22) Richard was going to sell all of his old video games to buy a new one. After selling half he changed his mind, then he bought twelve more. How many did he start with if he now has 37?

23) The cooking club made some cakes to sell during lunch to raise money for a field trip. The cafeteria helped by donating three cakes to the club. Each cake was then cut into four pieces and sold. There was a total of 40 pieces to sell. How many pies did the club make?

ANSWERS:

MULTIPLE CHOICE

1) C 2) B 3) B 4) C 5) C 6) B 7) D 8) C

SHORT ANSWER

9) a) 2.398 b) 9080 c) 0.01003 d) 0.007

10) a) 33.32 b) 72

11) a) 569 415 200 b) 569 415 208, *6* c) 569 400 000 d) 570 000 000

12) a) $2 \times 10^0 + 2 \times 10^{-1} + 3 \times 10^{-2} + 9 \times 10^{-3}$ b) $9 \times 10^5 + 8 \times 10^4 + 7 \times 10^3 + 2 \times 10^2 + 9 \times 10^0$

13) a) $n = 4$ b) $n = 5$

14) a) 229 b) 156

15) a) two million ninety-eight thousand one hundred twenty-seven

b) two thousand five hundred ninety-eight hundred thousandths

c) eighty-nine thousand eight hundred fourteen millionths

d) fifty-nine and twenty three ten thousandths

16) a) 74 b) 49 c) 0 d) 43

17) a) < b) < c) = d) =

WORD PROBLEMS

18) 7:35 AM, 9:55 AM

19) 7 sets

20) Do the graph

21) Do the table

22) 50 games

23) 7 cakes