



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Arithmetic**  
**Duration: 40 min**

**Class: 7**  
**Worksheet Solutions 33**  
**DECIMALS**

**Date: 16.06.20**  
**Full Marks: 15**

**Choose the Correct options:**

1. Evaluate :  $\frac{(2.39)^2 - (1.61)^2}{2.39 - 1.61}$

- A. 2
- B. 4**
- C. 6
- D. 8

2. What decimal of an hour is a second ?

- A. 0.0025
- B. 0.0256
- C. 0.00027**
- D. 0.000126

3. The value of  $\frac{(0.96)^3 - (0.1)^3}{(0.96)^2 + 0.096 + (0.1)^2}$  is:

- A. 0.86**
- B. 0.95
- C. 0.97
- D. 1.06

4. The value of  $\frac{0.1 \times 0.1 \times 0.1 + 0.02 \times 0.02 \times 0.02}{0.2 \times 0.2 \times 0.2 + 0.04 \times 0.04 \times 0.04}$  is:

- A. 0.0125
- B. 0.125**
- C. 0.25
- D. 0.5

5. If  $2994 \div 14.5 = 172$ , then  $29.94 \div 1.45 = ?$

- A. 0.172
- B. 1.72
- C. 17.2**
- D. 172

6. When 0.232323..... is converted into a fraction, then the result is:

- A. 1/5
- B. 2/9
- C. 23/99**
- D. 23/100

7.  $\frac{0.009}{?} = .01$

- A. 0.0009
- B. 0.09
- C. 0.9**
- D. 9

8. The expression  $(11.98 \times 11.98 + 11.98 \times x + 0.02 \times 0.02)$  will be a perfect square for x equal to:

- A. 0.02
- B. 0.2**

**C.0.04**

D.0.4

9.  $\frac{(0.1667)(0.8333)(0.3333)}{(0.2222)(0.6667)(0.1250)}$  is approximately equal to:

A.2

B.2.40

C.2.43

**D.2.50**

10.  $3889 + 12.952 - ? = 3854.002$

A.47.095

B.47.752

C.47.932

**D.47.95**

11.  $0.04 \times 0.0162$  is equal to:

A.  $6.48 \times 10^{-3}$

**B.  $6.48 \times 10^{-4}$**

C.  $6.48 \times 10^{-5}$

D.  $6.48 \times 10^{-6}$

12.  $\frac{4.2 \times 4.2 - 1.9 \times 1.9}{2.3 \times 6.1}$  is equal to:

A.0.5

**B.1.0**

C.20

D.22

13. If  $\frac{144}{0.144} = \frac{14.4}{x}$ , then the value of x is:

**A.0.0144**

B.1.44

C.14.4

D.144

14. Which of the following are in descending order of their value ?

A.  $\frac{1}{3}, \frac{2}{5}, \frac{3}{7}, \frac{4}{5}, \frac{5}{6}, \frac{6}{7}$

A.

B.  $\frac{1}{3}, \frac{2}{5}, \frac{3}{5}, \frac{4}{7}, \frac{5}{6}, \frac{6}{7}$

B.

C.  $\frac{1}{3}, \frac{2}{5}, \frac{3}{5}, \frac{4}{6}, \frac{5}{7}, \frac{6}{7}$

C.

D.  $\frac{6}{7}, \frac{5}{6}, \frac{4}{5}, \frac{3}{7}, \frac{2}{5}, \frac{1}{3}$

D.

15.  $617 + 6.017 + 0.617 + 6.0017 = ?$

A.6.2963

B.62.965

**C.629.6357**

D None of these