



**Al Sharq Bright International School**  
**Model Paper for Final Exam 2017-2018**

**Name:** \_\_\_\_\_ **Subject:** Mathematics **Class:** 6\_\_ **Date:** \_\_\_\_\_

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**Part – 1**

**A. Fill in the blanks:**

- 1)  $7ac \times 5 ab =$  \_\_\_\_\_
- 2) The numerical coefficient of  $4xyz =$  \_\_\_\_\_
- 3) Seven subtracted from a number you thought of \_\_\_\_\_.
- 4) The perimeter of the square = \_\_\_\_\_.
- 5) \_\_\_\_\_ one- sevenths make a whole.

**B. Mark whether true or false:**

- 1)  $a \times a \times a = a^3$  \_\_\_\_\_
- 2)  $\frac{19}{72} + \frac{19}{72} = \frac{38}{144}$  \_\_\_\_\_
- 3)  $\frac{3}{8} < \frac{1}{12}$  \_\_\_\_\_
- 4)  $\frac{37}{100} = 0.37$  \_\_\_\_\_

**C. Choose the correct answer:**

- 1) Which of the following is the equivalent fraction of  $\frac{3}{4}$  ?  
a)  $\frac{6}{12}$       b)  $\frac{9}{12}$       c)  $\frac{12}{20}$
- 2) Which of the decimal fraction represents  $\frac{2345}{1000}$  ?  
a) 2.345      b) 23.45      c) 234.5
- 3) Which term among the following is a like term of  $6xy$ ?  
a)  $4x^2y$       b)  $3xy^2$       c)  $21xy$

4) The value of  $x$  in the equation  $4x - 8 = 32$  is

- a) 8            b) 10            c) 5

5) The sum of  $8ax + 3ay + 2ax$  is equal to

- a)  $6ax + 3ay$             b)  $10ax + 3ay$             c)  $9ax + ay$

### Part – 2

**D. Simplify the following:**

1)  $\frac{1}{4} + \frac{3}{8}$

2)  $\frac{5}{12} - \frac{1}{4}$

**E. Convert the following decimals into fractions:**

1) 1.25

2) 0.145

**F. Convert the following into decimals:**

1)  $\frac{37}{1000}$

2)  $\frac{7}{100}$

**G. Simplify the following:**

1)  $2.165 + 3.278$

2)  $3 - 1.013$

**H. Frame the algebraic expression for the following:**

1)  $4xy$  subtracted from  $6xy$

2)  $6a^2b$  added to  $4a^2b$

3) Five times of a number multiplied by three times of another number.

**I. Say whether the following are like terms or unlike terms:**

1)  $22xy$ ,  $6xy$ ,  $-4xyy$  \_\_\_\_\_

2)  $4x^2y^2z^2$ ,  $5x^2y^2z^2$  \_\_\_\_\_

3)  $9ab$ ,  $-4ac$  \_\_\_\_\_

**Part – 3**

**J. Solve the following:**

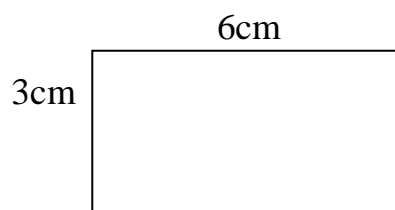
1)  $2y - 3 = 3$

2)  $4x + 3 = 2x + 11$

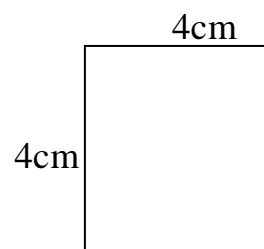
3)  $\frac{7t}{8} = 14$

**K. Find the perimeter and area of the following shapes:**

1)



2)



**L. Reduce the following to the lowest term:**

1)  $\frac{84}{98}$

2)  $\frac{52}{76}$

**M. Solve the word problems:**

1) The sum of k and 25 is 21. What is the value of k?

2) The area of a rectangular field is 120sq m. If the length is 15 m. Find its breadth.

**Part – 4**

**N. Mental Math:**

1)  $12\frac{2}{9} =$  \_\_\_\_\_

2)  $\frac{2}{5} + \frac{2}{5} =$  \_\_\_\_\_

3)  $3x + 7x =$  \_\_\_\_\_

4)  $6xy \div 3xy =$  \_\_\_\_\_

**Note: This is just a model, not the exam paper.**