



Al Sharq Bright International School

Model Paper for Mid Term Exam 2017-2018

Name: _____ Subject: Mathematics Class: 8 __ Date: _____

Paper – 2

A. Choose the correct answer:

1) $8 \div 4 \times 5 - 3 =$ _____

- a) 7 b) 8 c) 20 d) 33

2) 2m is smaller than _____

- a) 40cm b) 200mm c) 0.03 m d) 400cm

3) The decimal of $6\frac{3}{10}$ is _____

- a) 6.03 b) 6.30 c) 6.003 d) 0.63

4) Five times a number plus 3 is less than 20.

- a) $5x + 3 \leq 20$
b) $3x + 5 \geq 20$
c) $5x + 3 < 20$
d) $3x + 5 > 20$

5) $62\% =$ _____

- a) 0.62 b) 6.20 c) 0.062 d) 620

B. Fill in the blanks:

1) The ratio 3:2 gives _____ parts.

2) 30% of 2500m is _____.

3) $\frac{4}{5} =$ _____%

4) $0.\dot{4}\dot{5}$ implies _____

5) The lowest term of $\frac{819}{999}$ is _____

Paper – 4

C. Solve the following:

1) Represent each of the following inequalities on a number line:

a) $x \leq -4$

b) $2 < x < 5$

c) $3 \geq x \geq -4$

2) Change the following decimals to mixed numbers in the simplest form:

a) 10.55

b) 8.25

c) 2.9

3) Convert the following recurring decimals to fractions in their lowest term:

a) $0.0\dot{3}\dot{1}$

b) $2.0\dot{4}0\dot{6}$

c) $0.\dot{4}$

4) Increase the following:

a) 70 by 11: 5

b) 80 by 12.5%

c) 150 by 25%

5) Calculate the value of Y in each of the following:

a) 125% of Y is 70

b) 150% of Y is 0.375

c) 24% of Y is 84

D. Evaluate:

1) Put in any brackets which are needed to make it correct:

a) $8 + 6 \div 2 = 7$

b) $4 + 5 \times 6 - 1 = 45$

c) $9 \div 3 \times 4 + 1 = 13$

2) Change the following into decimals:

a) $6\frac{11}{16}$

b) $4\frac{7}{20}$

c) $3\frac{2}{7}$

3) Simplify the following:

a) $6\frac{1}{2} - 2\frac{3}{4} - 3\frac{2}{5}$

b) $(\frac{3}{5} \text{ of } \frac{4}{9}) + (4 \div \frac{4}{5})$

c) $(1\frac{1}{3} \times 2\frac{5}{8})^2$

4) Solve the following:

a) Divide 2hour in the ratio 1:5?

b) Six people can dig a trench in 8 hours. How long it would take for 12 people?

c) In a test Ben gained 90% by answering 135 questions correctly. How many questions did he answer incorrectly?

d) A bottling machine fills 500 bottles in 15 minutes. How many bottles will it fill in $1\frac{1}{2}$ hours?

5) Arrange the following in order of magnitude, starting from the largest:

a) 3.5g, 0.07 kg, $\frac{15}{9}$ kg, 3.05 g

b) $\frac{4}{7}$, $\frac{3}{14}$, $\frac{9}{10}$, $\frac{2}{5}$

ii) the enlarged rectangle?

b) By what ratio has the area been enlarged?

- 4) A shopkeeper keeps a record of the number of items he sells in one day. Of the 150 items sold, 46% were newspapers, 24% were pens, 12% were books whilst the remaining 18% were other items. Calculate the number of each item he sold.

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