NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH, KSA

Affiliated to CBSE – New Delhi

ANNUAL EXAMINATION, 2017-18
SUBJECT: MATHEMATICS
WORKSHEET-2
CLASS: 6

Block: 18 & 19 Decimals & Adding and Subtracting decimals

(Write the numbers in decimal form)

1. $60 + 1 + \frac{8}{100} + \frac{2}{1000}$ is _____

2. $\frac{4}{10} + \frac{2}{100} + \frac{1}{1000}$ is _____

3. Eight hundred forty-six and twenty-one hundredths is _____

4. Ninety-two and four thousandths is _____

5. Two hundred sixty -one and five thousand eight hundred twenty-six ten-thousandths

(Fill in the blanks with suitable answer)

1. 6252577 mg is equal to _____kg.

2. 92737737mm is equal to _____km.

3. 2 paise is equal to _____ rupees

4. The decimal form of $\frac{3}{40}$ is _____

Match the following:

A. 0.8	a. $2\frac{41}{125}$
B. 2.328	b. $\frac{111}{500}$
C. 1.35	c. $1\frac{1}{2}$
D. 0.222	d. $\frac{4}{5}$
E. 1.5	e. $1\frac{7}{20}$

Do as directed:-

1. Solve:

   a) $3.82 + 2.19 + 0.76$ *b*) $382.292 - 218.274$ *c*) $352.81 - 312.739$

2. Solve:

   a) $23.629 + 34.28 + 26 + 80.099$ *b*) $283.299 + 2812.312 + 382.281$

3. Jays went swimming. She swam 1km 87m on her front and 927 m on her back. How far did she swim together ? Give your answer in km, using decimals.

4. Vishal needs to travel 283km 29m to a city. He travels 192371m by train. How far does he still have to travel ?

Block : 21 Introduction to Algebra

1. Suppose the number of toothpicks required to form **F** is 4, then complete the table.

No. of **F**s	1	2	3	4	5	9
No. of toothpicks						

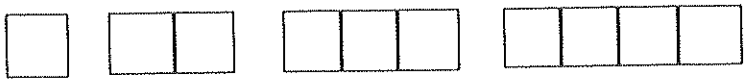
   a) What is the rule of the pattern ?

   b) How many toothpicks do you need for 50 **F**s ?

2. Complete the table for the following rules and find the missing numbers.

m	1	2	3	4	5	12
Rule: 2m−1						

3. Fill the table for the following pattern.



No. of squares	1	2	3	4	5	15
No. of toothpicks						

a) What is the rule for the pattern ?

b) How many toothpicks do you need for 40 squares ?

Block : 23 Ratio

1. Find five equivalent ratios for each of the following:

2 : 3					
5 : 6					
10 : 2					

2. Express the following ratios in their simplest forms.

a) 36 minutes is to 2 hours

b) 51cm is to 3.57m

c) 120 seconds to 4 minutes

d) 380 g : 570 g

3. A village has 1200 males and 1000 females. Of these, 9000 are adults and the remaining are children.

Write the following ratios in their simplest form.

a) Females to total population.

b) Adults to children.

c) Males to adults.

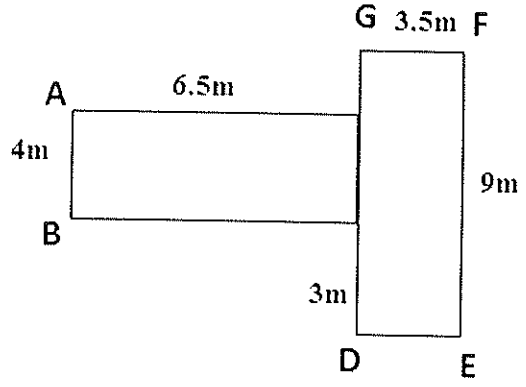
d) Children to total population.

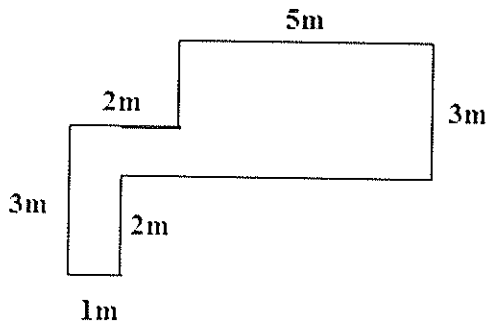
4. Complete the equivalent ratio table. Draw picture to show the total ratio.

Milk	2					
Biscuits	3					

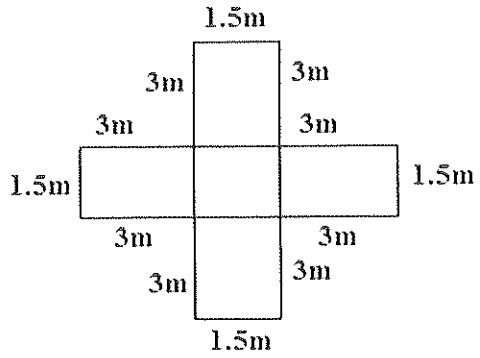
Block : 25 & 26 Perimeter & Area

1. The length of a carom board is 36cm. Find its perimeter and area.
2. Find the perimeter of a rectangle having a length of 35m and breadth 19m. Also find its area.
3. The perimeter of a rectangular room is 120m. If the length is thrice its breadth, find its length and breadth.
4. Rekha wants to buy a carpet for her room measuring 18m long and 13m wide. The cost of the carpet per square metre is Rs: 175. How much money she will spend ?
5. How many rectangles of dimensions $5cm \times 4cm$ can fit in a square whose side is 10cm long ?
6. A hall is in the shape of a rectangle of length 90m and breadth 60m. How many square tiles of area 40 sq.m are required to fill the hall ?
7. Find the **perimeter and area** of the following closed figures:





8. Find the area of the following figure:



Block : 29 Circles

1. Draw a circle and label the following parts.

   A) Radius B) Diameter C) Chord D) Arc E) Sector F) Segment

2. Draw two concentric circles of radii 2.5cm and 3.5cm. Mark a point interior to the outer circle and exterior to the inner circle.
3. Draw a circle of radius 2cm. With the end point of the radius (other than centre) as centre, draw another circle of the same radius.
4. The circumference of a circle is 54cm. Find its radius and diameter ?
5. Fill in the table:

Radius	Diameter	Circumference
5cm		
	9cm	
		21cm
15.5cm		
	10cm	

Block : 28 & 30 Construction of line segments & Angles

1. Write three real-life examples of perpendicular lines.
2. Construct a perpendicular bisector to a line segment of length 6cm and write the steps of constructions.
3. Draw a line segment of length 8.5cm. Divide it into 4 equal parts, using ruler and compass.
4. Draw an angle of measure 110° and bisect it, using ruler and compass. Write the steps of constructions.
5. Construct angle 15° and write the steps of constructions.

FIRST TERM PORTIONS

Block : 6 Factors & Multiples

Fill in the blanks:-

1. The sum of an even and odd number is always _____
2. The smallest even prime number is _____
3. The smallest composite number is _____
4. A number which has more than two factors is called _____
5. If 2 and 5 are factors, then _____ is their multiple.
6. 1 is neither _____ nor _____.

Answer the following:-

1. Write 620 as product of prime factors.
2. Find all possible factors of 48.
3. Find all possible factors of 68.
4. What is a perfect number ?
5. Check weather 28 is a perfect number or not ?

6. Write three pairs of twin primes below 20.

7. Express 53 as the sum of three odd prime numbers.

Block : II Triangles

1. The sum of the three interior angles of a triangle is _____
2. An angle that measures less than 90° is an _____ angle.
3. An angle that measures more than 90° is an _____ angle.
4. An angle that measures 90° is a _____ angle.
5. The line segment joining the mid-point of a side to its opposite vertex is called _____
6. The perpendicular drawn from the vertex of a triangle to its opposite side is called _____

Match the following:-

Description	Type of triangle
A. 3 equal sides	a. Isosceles triangle
B. All 3 angles are acute angles	b. Right angled triangle
C. 3 unequal sides	c. Equilateral triangle
D. Measure of one angle is 90^0	d. Scalene triangle
E. 2 equal sides	e. Acute angled triangle

1. Draw the triangle and label the following parts.
   A. Interior B. Exterior C. Median D. Altitude E. Vertices
2. Find the measure of the third angle in the triangle when the measure of two angles are as follows.
3. A) $105^\circ, 25^\circ$ B) $90^\circ, 45^\circ$ C) $35^\circ, 65^\circ$
4. What is the sum of all interior angles of a triangle ?
5. If one angle of a triangle is 90°, then what is the sum of the other two angles?
6. Draw a triangle. Measure all its angles and add them. What do you observe ?

7. Draw a triangle with length of the sides as 6cm, 2cm, 3cm. Can you draw it? Why ?

>>>>>Best wishes<<<<<<

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