

International Indian School, Riyadh
Mathematics Worksheet 2017 – 2018
(Half Yearly Examination)
Class VI

Chapter – 1 - Knowing our numbers

I. Fill in the blanks

1. 1 km = _____ m
2. 1 Kg = _____ mg
3. 1459 rounded off nearest hundred is _____
4. Greatest 5 digit number using two different digit is _____

II. Express as Roman Numerals

- | | | |
|-------|-------|-------|
| a) 12 | b) 26 | c) 37 |
| d) 45 | e) 56 | f) 69 |
| g) 72 | h) 87 | i) 92 |

III. Write as Hindu-Arabic Numeral

- | | |
|---------|-----------|
| a) XXV | b) LXXXIX |
| c) XCIX | d) XL |

- IV. The total population of a city is 35296405. If number of males are 1889569, find the number of females?**
- V. A factory procures 3855 garments per day. How many garments will it produces in 1 year?**
- VI. The product of two numbers is 10636875. If one number is 465, find the other.**
- VII. Find the difference between the greatest and the least numbers that can be written using the digits 4, 9, 8, 7, 0 each only once.**

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Chapter 1 – Knowing Our Numbers - Answers

Knowing one numbers

I. Knowing One numbers

1. 1000 m
2. 1000000 mg
3. 1500
4. 99988

II. Express as Roman Numerals

- | | | |
|---------|------------|-----------|
| a) XII | b) XXVI | c) XXXVII |
| d) XLV | e) LVI | f) LXIX |
| g) LXII | h) LXXXVII | i) XCII |

III. Write as Hindu-Arabic Numeral

- | | |
|-------|-------|
| a) 27 | b) 89 |
| c) 99 | d) 40 |

IV. 33406836

V. 1407075

VI. 22875

VII. $98740 - 40789 = 57951$

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Chapter – 2 - Whole Numbers

1. Which is the smallest whole number?
2. Which whole number does not have a predecessor?
3. When we add '1' to a whole number, we get its _____
4. Which is the greatest whole number?
5. Whole number are not closed under _____ and _____
6. If 'a' is any whole number, then $a + 0 =$ _____
7. $1369 \times 0 =$ _____
8. $59 \times 66 + 59 \times 34 - 59 \times (\text{_____} + \text{_____})$
9. $a + b = b + a$, property applied is _____
10. $a \times (b + c) = a \times b + a \times c$, property applied is _____
11. How many whole number are there between 1064 and 1201?
12. Write the successor and predecessor of 1005399.
13. Find the answer by suitable rearrangement:
 - a. $645 + 287 + 355$
 - b. $1852 + 653 + 1648 + 547$
 - c. $25 \times 37256 \times 40$
 - d. $8 \times 125 \times 40 \times 25$
14. Find the Value by suitable properties
 - a. 3678×999
 - b. 732×103
 - c. 481×1001
 - d. $9827 \times 127 - 9827 \times 27$

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15. Find the difference between the successor of the smallest 6 digit number and predecessor of the smallest 5 digit number.

Chapter 2 – Whole Numbers – Answers

1. 0
2. 0
3. Successor
4. Can't find
5. Subtraction and Division
6. a
7. 0
8. $59 \times (66 + 34)$
9. Cumulative
10. Distributive
11. 136
12. $1005400 + 1005398$
13. a) 1287 b) 4700
 c) 37256000 d) 1000000
14. a) 3674322 b) 75396
 c) 481481 d) 982700
15. 90002

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5. Check 28 is a perfect number or not.
6. Write first 5 multiples of 27
7. Write separately prime and composite numbers less than 25
8. Use divisibility test of 11, write which is divisible?
a) 96010837 b) 1000001
9. Find the smallest and greatest digit in the blank space, so that the number formed is divisible by 3
a) __4267 b) 7452__6
10. Draw factors tree of a) 72 and (b) 36
11. Find LCM of 30, 36 and 40
12. Find the least number which when divided by 6, 15 and 18 leaves a remainder 5 in each case
Ans: 95
13. Find the smallest 5 digits number which is divisible by 21, 28, 36, 45
Ans: 10080
14. Determine the longest tape which can be used to measure exactly the length 7m, 3 m 85 cm, 12m 95 cm, (Hint – convert to cm)

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Chapter – 3 - Playing with the numbers - Answers

I. Playing with the numbers

1. 1
2. Perfect Number
3. 13
4. 123
5. Twin Prime
6. 0
7. 144
8. The Product of the numbers
9. 101
10. 3×5
11. Even
12. 3
13. 2
14. 99
15. 1 and the number itself
16. 1

II. Solve

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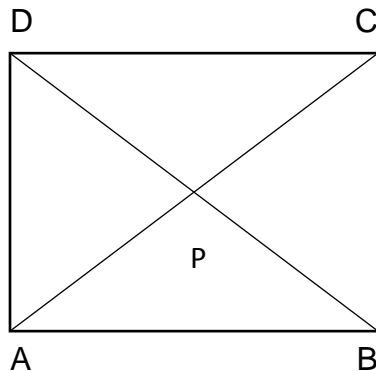
Chapter - 4 – Basic Geometric Ideas

I. Fill in the blanks

1. The polygon with least number of sides is _____.
2. The distance around a circle is called _____.
3. A region in the interior of a circle enclosed by chord and an arc is called _____.
4. _____ is the longest chord.
5. The region in the interior of a circle enclosed by an arc and a pair of radii is called _____.
6. The line segment joining any two points on the circle is _____.
7. _____ is the chord passing through the center of the circle.
8. The joint of any two non adjacent vertices of a polygon is _____.

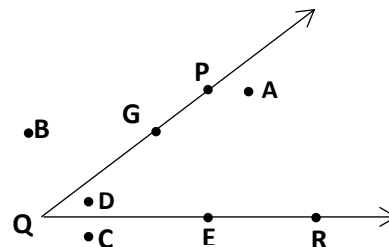
II. Do as directed:

1. Identify the triangles in the figure:



2. Name the points which are:

- a) In the interior of $\angle PQR$
- b) In the exterior of $\angle PQR$
- c) on $\angle PQR$



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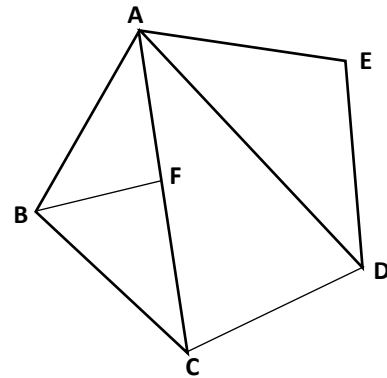
3. Draw a sketch of a quadrilateral ABCD and draw its diagonals.

Name the a) vertices, b) angles, c) diagonals d) adjacent sides
e) adjacent angles f) opposite sides g) opposite angles of the quadrilateral.

4. Identify the triangle in the figure:

a) Write the name of angles.

b) Write the name of line segments.



5. Draw any circle and mark

a) its center

b) two radii

c) a diameter

d) a sector

e) an arc

f) two points in its interior

g) a point in its exterior

h) a segment

i) two points on the circle.

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Chapter - 4 - Basic Geometric Ideas - Answers

I. Fill in the blanks

1. Triangle.
2. Circumference.
3. Segment.
4. Diameter.
5. Sector.
6. Chord.
7. Diameter.
8. Diagonal.

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Chapter - 6 - Integers

I. Fill in the blanks

1. The greatest negative inter is _____
2. The predecessor of 0 is _____
3. The integer which is neither positive nor negative is _____
4. The integer 2 less than -3 is _____
5. All negative integers are _____ than 0
6. $(-4) + (-7) =$ _____
7. $5 + (-2) + (-6) =$ _____
8. $2 + (-12) =$ _____
9. $(-206) + 98 =$ _____
10. The successor of -1001 is _____

II. Find the sum

1. -51, -203, 36 and -28
2. 3002 and -888
3. -3027 and 2000

III. Subtract

1. -135 from -250
2. -92 from 0
3. 43 from -43

IV. Find the value

1. $(-13) - (-17) + -(22) - (-40)$
2. $-83 - (-8) + 11 - (-20)$
3. $10 + (-6) + (-4) - (-89)$

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4. Subtract the sum of -15 and 30 from the sum of first 5 negative integers

Chapter 6 - Integers - Answers

I. Integers

1. -1
2. -1
3. 0
4. -5
5. Less
6. -11
7. -3
8. -10
9. -108
10. -1000

II. Find the Sum

1. -246
2. 2114
3. 1027

III. Subtract

1. 115
2. 92
3. -86

IV. Find the Value

1. 22
2. -44

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3. 89

4. 0

Chapter - 7 - Fractions

1. Write 5 equivalent fractions of

a) $\frac{1}{2}$ b) $\frac{7}{17}$

2. Find the missing numbers

a) $\frac{6}{48} = \frac{1}{\square}$ b) $\frac{15}{\square} = \frac{45}{51}$

3. Find the simplest Form

a) $\frac{72}{90}$ b) $\frac{27}{12}$ c) $\frac{108}{120}$

4. Find the value

a) $\frac{3}{11} + \frac{5}{11}$

b) $\frac{8}{13} + 5$

c) $\frac{6}{5} + \frac{3}{7}$

d) $\frac{7}{8} + \frac{1}{12}$

e) $\frac{5}{14} + \frac{3}{14}$

f) $1\frac{4}{5} + 2\frac{1}{10} + 1\frac{2}{5}$

g) $1 - \frac{1}{2}$

h) $\underline{4} + \underline{2} + \underline{3}$

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$$\frac{\quad}{5} \quad \frac{\quad}{7} \quad \frac{\quad}{10}$$

i) $1 - \frac{3}{7}$

5. Fathima bought $2\frac{1}{4}$ m of cloth and she gave $1\frac{1}{5}$ m of it to her sister Amina. How much of the cloth is left with her?
6. Aruna did $\frac{3}{7}$ of his homework on Saturday and $\frac{4}{9}$ of the same homework on Sunday. How much of the homework did she do over the weekend?
7. Aliya read 135 pages of a novel containing 250 pages. Altaf read $\frac{4}{5}$ of the same novel. Who read more pages by how much?

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Chapter – 7 – Fractions - Answers

1. Write 5 equivalent fractions of
2. a) 8 b) 17
3. a) $\frac{4}{5}$ b) $\frac{9}{4}$ c) $\frac{9}{10}$
4. a) $\frac{8}{11}$ b) $\frac{73}{13}$ c) $\frac{57}{35}$
d) $\frac{23}{24}$ e) $\frac{2}{14}$ f) $\frac{46}{10}$
g) $\frac{1}{2}$ h) $\frac{97}{70}$ i) $\frac{10}{7}$
5. $1 \frac{1}{20}$ m
6. $\frac{55}{63}$
7. Altaf read more pages by $\frac{325}{1250}$