CLASS 8
SUBJECT : Algebra & Geometry**Work sheet21 answer key**
Marks:15Construction of Quadrilaterals
Date:30.4.2020

Answer all thefollowing questions(1×15=15)

1.A rhombus can be constructed given
A. One side & one angle
B. One diagonal
C. One side
Answer: A

2. Given three angles of a quadrilateral for construction,we also need to know length of
A. Two adjacent sides
B. Two opposite sides
C. Any two sides
Answer: A

3.Given the length of two adjacent sides, a parallelogram can be constructed if
A. Included angle is given
B. One diagonal or two diagonals are given
C. All of the above
Answer: C

4.Given the two diagonals of a parallelogram, we need the measurement of at least
A. One side
B. Two sides
C. 3 sides
Answer: A

5.Two construct a rectangle, we need the measurement of
A. Two adjacent sides
B. Two diagonals
C. Two opposite sides
Answer: A

6.Only ……. element(s) is/are enough to construct a rhombus
A. One
B. Two

C. Three

Answer: B

7.The following elements are sufficient to construct a quadrilateral

A. 4 sides and 1 angle

B. 3 sides and 1 angle

C. 2 sides and 1 angle

Answer: A

8.Two construct a parallelogram with sides 4cm and 5 cm,the minimum requirement is that of the measurement of……. angle/s

A. One

B. Two

C. Three

Answer: A

9.Two construct a quadrilateral, given the measure of three of its sides, we also need to know the measure of

A. 1 diagonal

B. Two included angles

C. Fourth side

Answer: B

10.A rectangle WXYZ can be constructed ,if the length of

A. WX and WZ are given

B. XY is given

C. WX and ZY is given

Answer: A

11.A parallelogram can be constructed if

A. One side and one angle is given

B. One side and two angles are given

C. Two adjacent sides and one angle are given

Answer: C

12.If we make a parallelogram with adjacent sides of 6cm each and diagonal 8cm, then we will get

A. Rectangle

B. Square

C. Rhombus

Answer: C

13.A rhombus can be constructed given the measurement of its

A. One side

B. One diagonal

C. Two diagonals

Answer: C

14.For constructing a rhombus we need the measure of

A. One diagonal

B. One side and one diagonal

C.One angle and diagonal

Answer: B

15.We can construct a quadrilateral given the length of 2 …….. sides and 3 angles

A. Opposite

B. Adjacent

C. Parallel

Answer: B

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