

INTEGRATED

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Class: VII, MATHEMATICS

8. QUADRILATERALS

TEACHING TASK

01. All sides equal + All angles equal = square Ans B

02. Conceptual Ans: C

03. diagonals equal Ans. B

04. Both pairs of opposite sides become parallel Ans: B

05. parallelogram Ans B

06.  Ans: B

07. parallelogram Ans. A

08. Let each angle be x
 $\therefore 3x + 120^\circ = 360^\circ$
 $\Rightarrow x = 80^\circ$ Ans. A

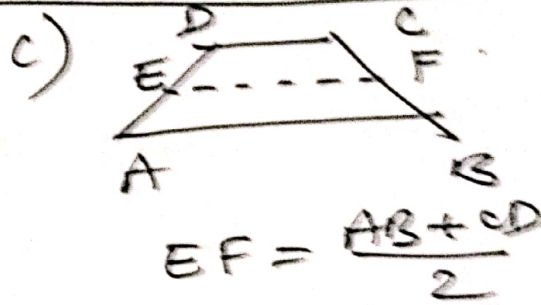
09. $A + B + C + D = 360^\circ$
 $60^\circ + 120^\circ + C + D = 360^\circ$
 $\Rightarrow C + D = 180^\circ$ Ans B

10 Between unequal sides

② Ans: A

JEE ADVANCED

11) A) Conceptual ✓
B) Conceptual ✓



Ans: A, B, C

12) A) Conceptual ✓
B) Conceptual ✓
c) Conceptual ✓

Ans: A, B, C

13) Statement I: True (Conceptual)
Statement II: Conceptual (False)

Ans: C

14) Statement I: Conceptual (False)
Statement II: Conceptual (True)

Ans: C

15) Assertion: Conceptual (True)
Reason: Conceptual (True)

Ans: A

16) Assertion: Conceptual (False)
Reason: Conceptual (True)

Ans: D

17) Concave quadrilateral

Ans: B

18) Convex quadrilateral

Ans: B

19) Diagonals are \perp

Ans: B

20) Diagonals bisect each other

Ans: A

21 Trapezium non-parallel sides = 2 (3) Ans: 2


22 90° Ans: 90°

23 Conceptual
 $a \rightarrow q, b \rightarrow r, c \rightarrow s, d \rightarrow p$ Ans: q, r, s, p

24 Conceptual
 $a \rightarrow p, b \rightarrow q, c \rightarrow r, d \rightarrow s$ Ans: p, q, r, s

LEARNERS TASK

CUES

01.  Conceptual \rightarrow Ans: A

02 Conceptual Ans: C

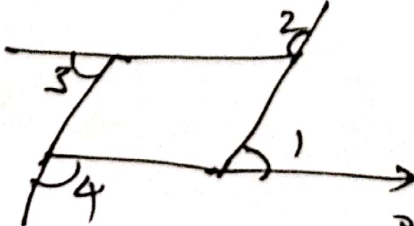
03 Conceptual Ans: A

04 Conceptual Ans: C

05 Quadrilateral Ans: A

06 Conceptual Ans: B

07 360° Ans: D

08 360° 
 $U + L2 + L3 + L4 = 360$ Ans: D

09	Conceptual	Ans: A
10	Conceptual	Ans: D
JEE MAINS LEVEL		
01	Kite	Ans: B
02	Trapezium	Ans: A
03	Rectangle	Ans: A
04	Conceptual	Ans: B
05	Conceptual	Ans: B
06	Conceptual	Ans: A
07	Conceptual	Ans: B
08	Conceptual	Ans: A
09	Conceptual	Ans: A
10	Conceptual	Ans: B
JEE ADVANCED LEVEL		
11	Conceptual \rightarrow A, C, D	Ans: A, C, D
12	Conceptual \rightarrow A, C	Ans: A, C
13	<u>Statement I</u> : Conceptual (True) <u>Statement II</u> : Conceptual (True)	Ans: A
14	<u>Statement I</u> : Conceptual (False) <u>Statement II</u> : Conceptual (True)	Ans: D

15. Assertion:

Elements of quadrilateral.

Sides = 4, Angles = 4, Vertices = 4,

Diagonals = 2

Total = 4 + 4 + 4 + 2 = 14. (False)

Reason: Conceptual (True)

Ans: D

16 Assertion: Conceptual (False)

Ans: D

Reason: Conceptual (True)

17 Square

Ans: C

18 Rhombus

Ans: A

19 Conceptual

Ans: B

20 Conceptual

Ans: C

21. 2 pairs of parallel sides

Ans: 2

22 Parallelogram, Rectangle, Rhombus, Square

A: 4

23 Conceptual

$a \rightarrow p, b \rightarrow r, c \rightarrow q, d \rightarrow s$

A: p, r, q, s

24 Conceptual

$a \rightarrow p, b \rightarrow q, c \rightarrow r, d \rightarrow s$

A: p, q, r, s

⇒ THE END ⇐