



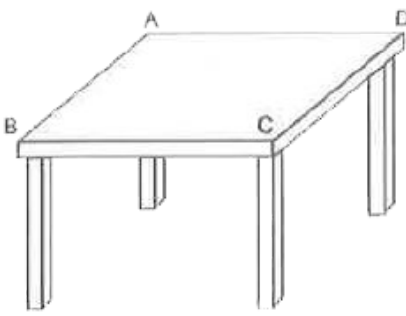
MATHS

BOOKS - RS AGGARWAL MATHS (HINGLISH)

PARALLEL LINES

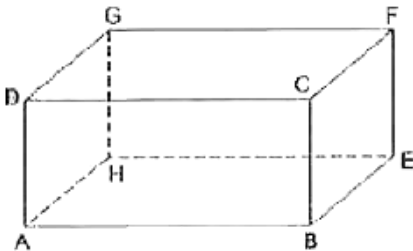
Exercise

1. In the figure of a table given below, name the pairs of parallel edges of the top.



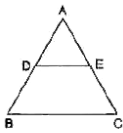
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2. Name the groups of all possible parallel edges of the box whose figure is shown below.

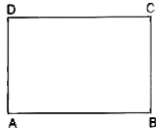


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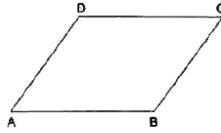
3. Identify parallel line segments in each of the figures given below :



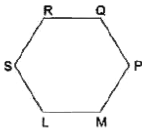
(i)



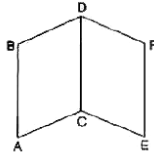
(ii)



(iii)



(iv)

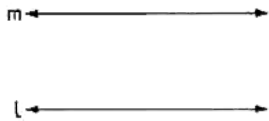


(v)

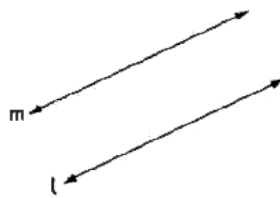


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4. Find the distance between the parallel lines l and m , using a set square.



(i)

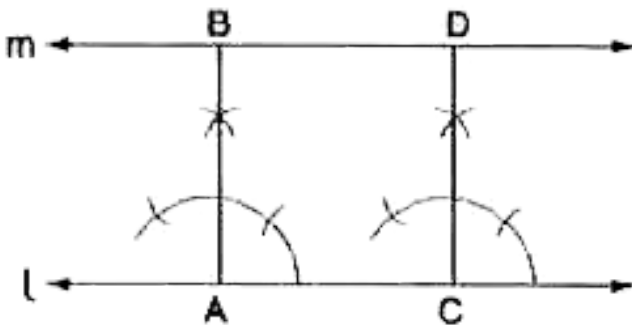


(ii)



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5. In the figure, $l \parallel m$. If $AB \perp l$, and $AB = 2.3$ cm, find CD .



A. 5.3 cm

B. 4.3 cm

C. 3.3 cm

D. 2.3 cm

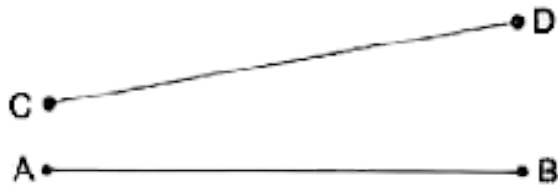
Answer: D



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6. In the figure, do the segments AB and CD intersect ? Are they parallel? Give reasons for

your answer.



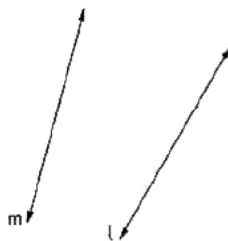
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7. Using a set square and a ruler, test whether

$l \parallel m$ in each of the following cases:



(i)



(ii)



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8. Which of the following statements are true and which are false ?

Two lines are parallel if they do not meet, even when produced.

A. No

B. Yes

C. None

D. Both

Answer: B



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9. Which of the following statements are true and which are false ?

Two parallel lines are everywhere the same distance apart.

A. yes

B. no

C. both

D. none

Answer: A



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10. Which of the following statements are true and which are false ?

If two line segments do not intersect, they are parallel.



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11. Which of the following statements are true and which are false ?

If two rays do not intersect, they are parallel.



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