



MATHS

BOOKS - CHETANA MATHS (MARATHI ENGLISH)

PARALLEL LINES

Example

1. If in $\triangle ABC$, $\angle A = 70^\circ$, $\angle B = 48^\circ$. Find $\angle C$.



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2. Ratio of two complementary angles is 5:4.

Find the measure of each angle.



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3. Ratio of two supplementary angles is 7:2.

Find measure of each angle.



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4. Two angles forming a linear pair of angles are equal. Find the measure of each angle.



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5. In fig., $\angle x = 75^\circ$ and $\angle s = 105^\circ$. Can we say line $p \parallel$ line q ? Justify.



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6. In $\angle u = 95^\circ$. What should be measure of $\angle z$, so that the $l \in ep \parallel l \in eq$.



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7. Observe and answer the following .If $\angle d : \angle e = 2 : 3$. Find each angle.



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8. If two parallel lines are intersected by a transversal then how many pairs of vertically opposite angles are formed?



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9. If two parallel lines are intersected by a transversal then how many pairs of corresponding angles are formed?



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10. If two lines are intersected by a transversal then how many pairs of alternate angles are formed?



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11. If two lines are intersected by a transversal, then how many pairs of interior angles are formed?



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12. $\angle AOC = 2\angle AOB$, $B - O - C$. Find $\angle AOC$.



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13. Measure of supplement of an angle is 3 times the measure of the angle. Find the measure of the angle.



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14. Measure of half of the angle is equal to its complement. Find the measure of the angle.



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