

Lines & Angles Worksheet – 1

1. Two right angles can be complementary. Mark True / False.

2. Two right angles can never be supplementary. Mark True / False.

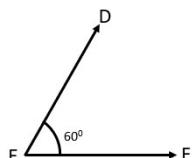
3. Two adjacent angles can be complementary. Mark True / False.

4. Two adjacent angles can be supplementary. Mark True / False.

5. Two right angles can not form a linear pair. Mark True / False.

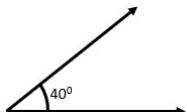
- a) True b) False

6. What is the complement of below given angle?



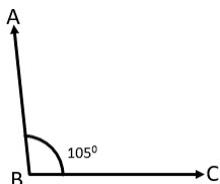
- | | | | |
|----|------------|----|------------|
| a) | 60° | b) | 45° |
| c) | 30° | d) | 90° |

7. What is the complement of below given angle?



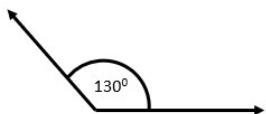
- | | |
|---------------|---------------|
| a) 60° | b) 45° |
| c) 30° | d) 50° |

8. What is the supplement of below given angle?



- | | | | |
|----|------------|----|------------|
| a) | 60° | b) | 75° |
| c) | 30° | d) | 50° |

9. What is the supplement of below given angle?



- | | |
|---------------|---------------|
| a) 60° | b) 75° |
| c) 30° | d) 50° |

10. Identify which of the pair of angles are complementary?

- | | |
|-------------------------|-------------------------|
| a) $60^\circ, 40^\circ$ | b) $75^\circ, 25^\circ$ |
| c) $30^\circ, 60^\circ$ | d) $50^\circ, 50^\circ$ |

11. Identify which of the pair of angles are supplementary?

- | | |
|--------------------------|--------------------------|
| a) $160^\circ, 20^\circ$ | b) $175^\circ, 25^\circ$ |
| c) $130^\circ, 60^\circ$ | d) $150^\circ, 50^\circ$ |

12. Which angle is equal to it's complement?

- | | |
|---------------|---------------|
| a) 60° | b) 75° |
| c) 45° | d) 50° |

13. Which angle is equal to it's supplement?

- | | |
|---------------|---------------|
| a) 60° | b) 75° |
| c) 45° | d) 90° |

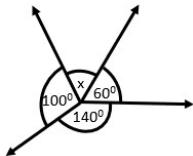
14. Two complementary angles are $(p + 5)^\circ$ and $(p + 15)^\circ$, find the value of 'p'.

- | | |
|---------------|---------------|
| a) 60° | b) 35° |
| c) 45° | d) 90° |

15. Two supplementary angles are in ratio of 4 : 5, find the angles.

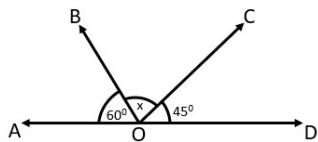
- | | |
|--------------------------|--------------------------|
| a) $80^\circ, 100^\circ$ | b) $75^\circ, 105^\circ$ |
| c) $30^\circ, 150^\circ$ | d) $70^\circ, 110^\circ$ |

16. Find the value of 'x' in the below given diagrams.



- | | |
|---------------|---------------|
| a) 70° | b) 75° |
| c) 60° | d) 80° |

17. Find the value of 'x' in the below given diagrams.



- a) 70° b) 75°
c) 60° d) 80°

18. If one angle of a linear pair is obtuse, then the other angle is _____.

- a) Acute b) Right
c) Straight d) Obtuse

19. If an angle is one fourth of its supplement, then the measure of the angle is _____.

- a) 70° b) 144°
c) 60° d) 36°

20. Supplement of an obtuse angle is _____.

- a) Acute b) Right
c) Straight d) Obtuse