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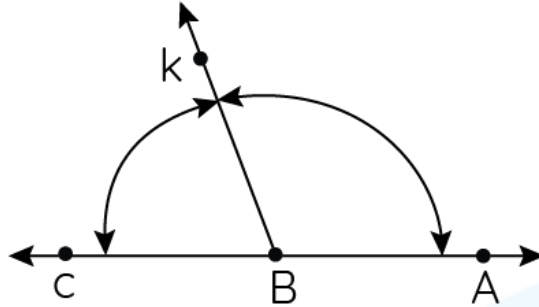
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PAIRS OF ANGLES WORKSHEETS

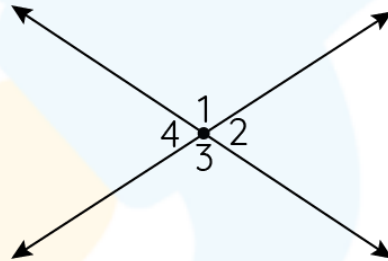
Q.1 $\angle KBC$ and $\angle KBA$ are adjacent angles.



- a. True
- b. False

Q.2 What is the supplement angle of 150 degrees?

Q.3 From the following diagram, which two angles have the same measurement?



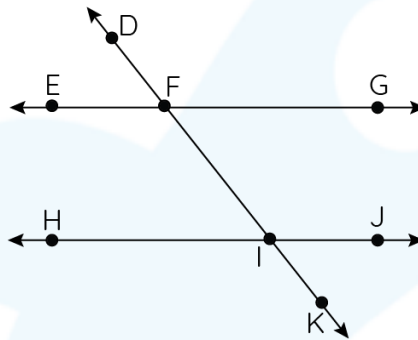
- a. $\angle 1$ and $\angle 3$
- b. $\angle 4$ and $\angle 2$
- c. Both a and b
- d. None of these.

Q.4 The angle made by the clock's hands is an _____ angle.



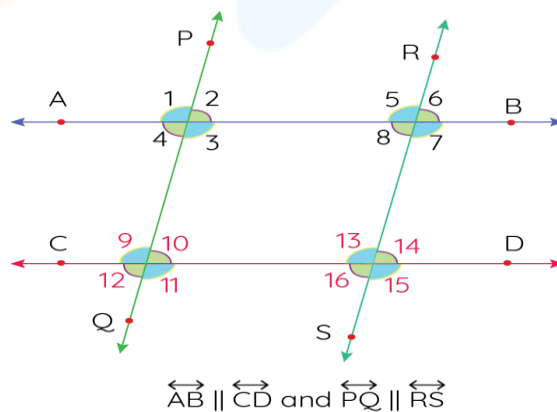
Q.5 Determine the angles. If two complementary angles are in the ratio of 2:3.

Q.6 Which angles are vertically opposite angles?



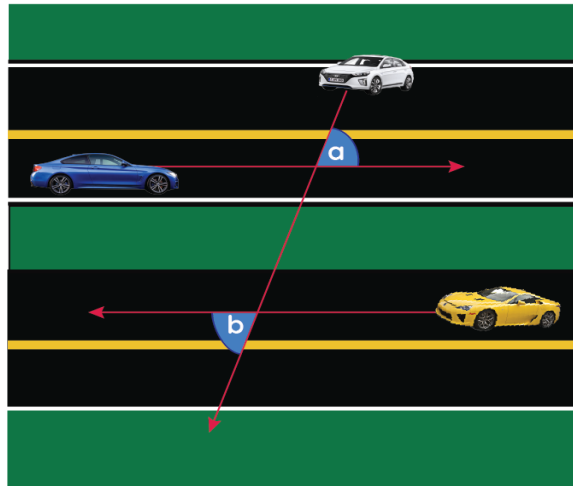
- $\angle DFE$ and $\angle GFI$
- $\angle DFG$ and $\angle GFE$
- $\angle DIE$ and $\angle DFI$
- $\angle HIK$ and $\angle JIK$

Q.7 Observe the figure and answer the questions.



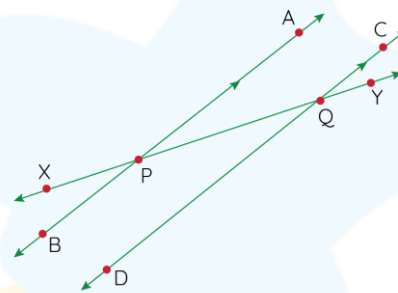
Write the angles that form a corresponding angle pair with $\angle 15$.

Q.8 In the following figure two roads parallel.

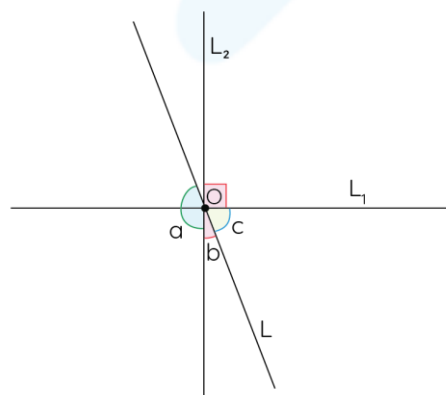


If $a = (2x)^\circ$ and $b = (30 - 4x)^\circ$, then what will be the value of x ?

Q.9 Sam wants to identify the pair of alternate interior angles of $\angle APQ$ and of $\angle BPQ$ in the following diagram given that $AB \parallel CD$?



Q.10 In the following figure L_1 and L_2 are two perpendicular lines that intersect at O. Through O, another straight line L is drawn; some angles thus formed have been marked. If $b:c=1:5$, what is the value of $\angle a$?



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ANSWERS

1. True	2. 30 degrees	3. c.Both a and b	4. Obtuse	5.36 degrees And 54 degrees
6. a. $\angle DFE$ and $\angle GFI$	7. $\angle 11$ and $\angle 7$	8. $X = 5^\circ$	9. $\angle DPQ$ and $\angle CQP$	10. 165°



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