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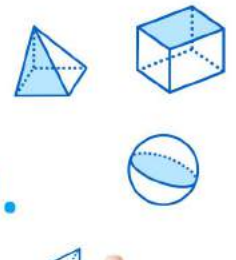

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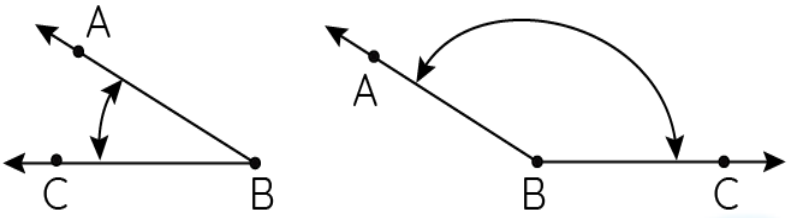
PAIRS OF ANGLES WORKSHEETS

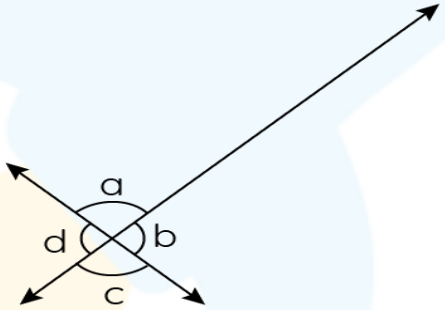
Q.1 The combination of the following figures form supplementary angles?



a. True
b. False

Q.2 What is the complement angle of 15 degrees?

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

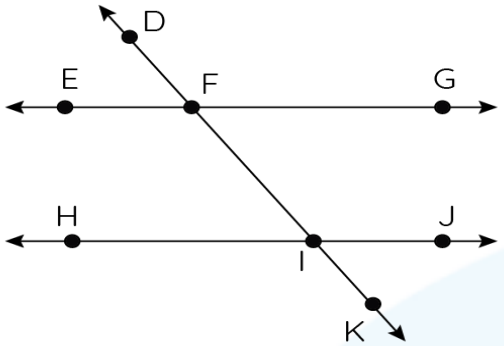


a. ∠a and ∠c
b. ∠d and ∠b
c. Both a and b
d. None of these.

Q.4 The angle made by a compass is_____angle.

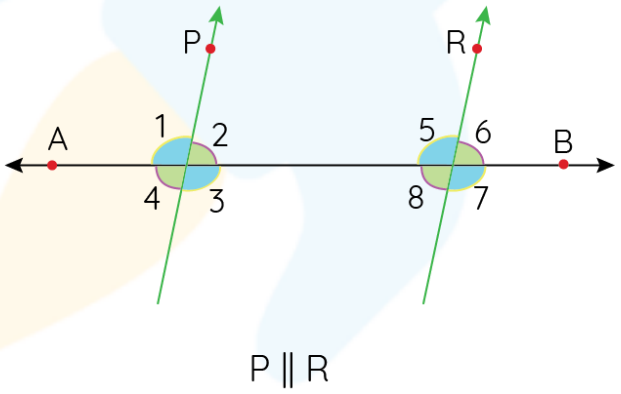
Q.5 Determine the angles. If two supplementary angles are in the ratio of 2:3.

Q.6 Which angles are alternate interior angles?



a. ∠DFE and ∠GFI
b. ∠EFI and ∠JIF
c. ∠DIE and ∠DFI
d. ∠HIK and ∠JIK

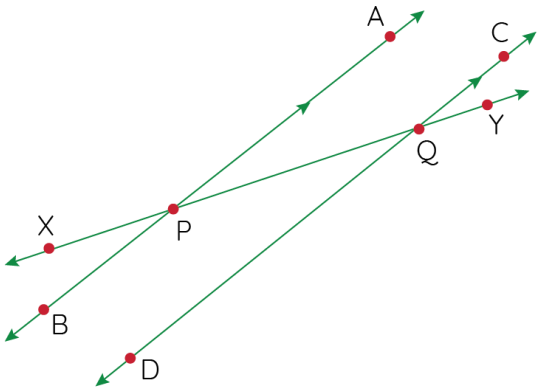
Q.7 Observe the figure and answer the questions.



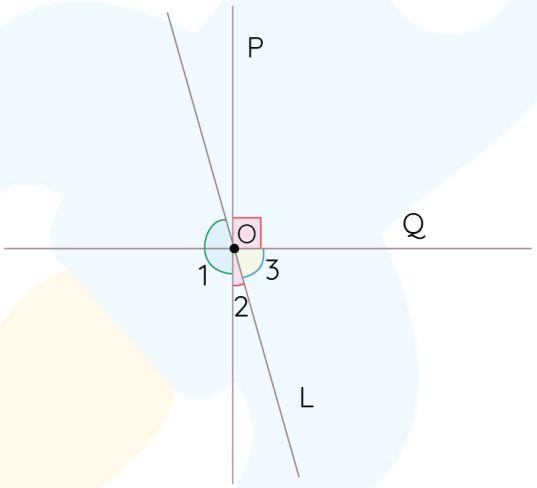
Write the angles that form a corresponding angle pair with ∠7.

Q.8 solve:
If a =(3x)° and b= (30+2x)° are supplementary angles, then what will be the value of x?

Q.9 Sam wants to identify the pair of alternate exterior angles of ∠APX and of ∠BPX in the following diagram given that AB‖CD?



Q.10 In the following figure P and Q are two perpendicular lines that intersect at O. Through O, another straight line L is drawn; some angles thus formed have been marked. If ∠3:∠2 = 4:1, what is the value of ∠1?



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ANSWERS

1. True	2. 75 degrees	3. c.Both a and b	4.acute	5.72 degrees And 108 degree
6. b.∠EFI and ∠JIF	7.∠3	8. X = 30	9.∠DQY and ∠CQY	10. 1440

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