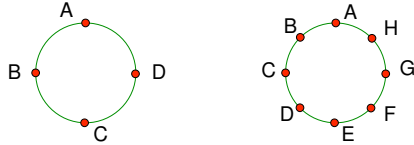


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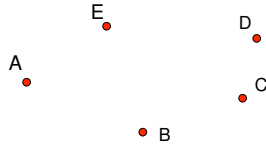
Grade 4 and 5

1. Four points are selected from the circle on the left below. In how many ways you can draw a straight line connecting any two points on the circle?

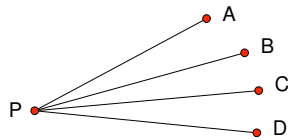


2. Eight points are selected from the circle on the right above. In how many ways you can draw a straight line connecting any two points on the circle? HINT: Starting with few points, see if you can develop a pattern to simplify your counting.

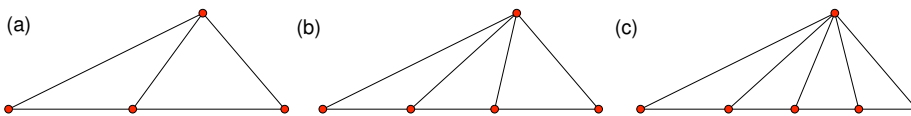
3. How many line segments are there by connecting any two of the points in the plane?



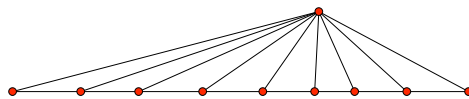
4. How many angles below are less than 90° ?



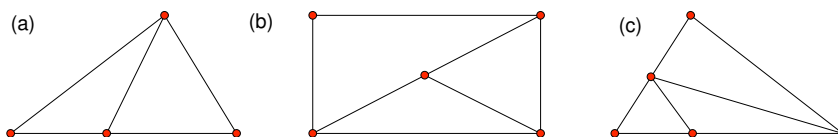
5. How many triangles are in the following figures?



6. How many triangles are in the following figure?

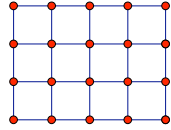


7. How many triangles are in the following figures?

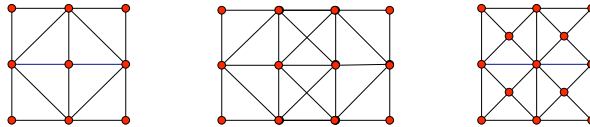


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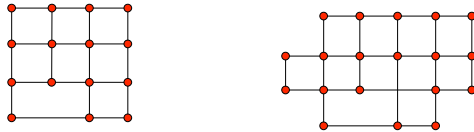
8. How many squares are in the following 3×4 figure? Count each different size of squares first and then add them up to get the total.



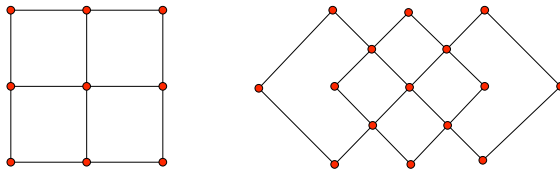
9. How many squares are in the following figures? (First, identify how many different types of squares are in the figure, and then count each type.)



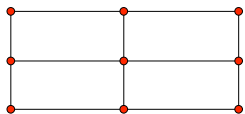
10. How many squares are in the following figure?



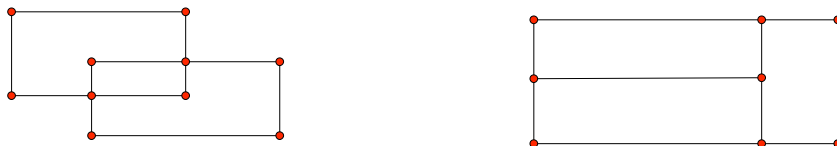
11. How many squares are in the following figures?



12. How many rectangles are in the following figure?



13. How many rectangles are in the following figures?

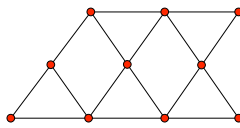


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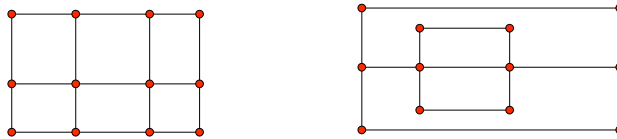
14. How many triangles are in the following figures?



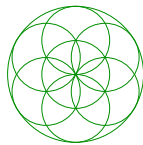
15. How many triangles are in the following figure?



16. How many rectangles are in the following figures?



17. How many circles are in the following figure?



18. How many triangles are in the following figure?

