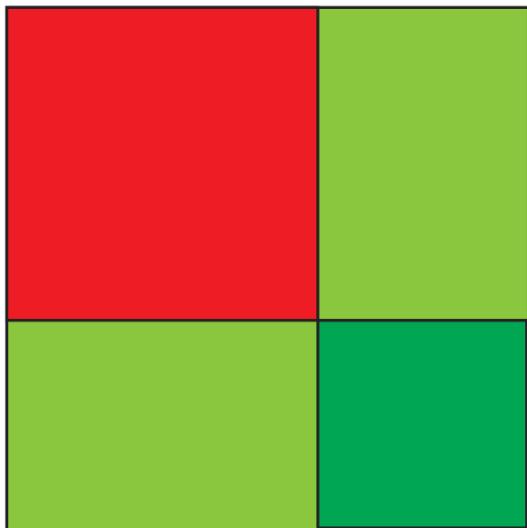


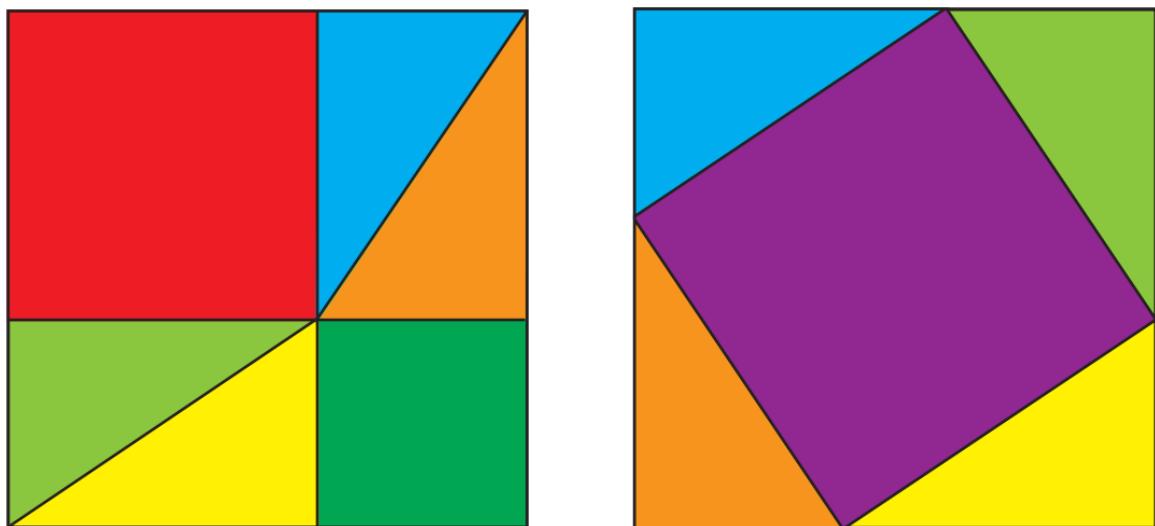


Demonstrações sem palavras

1. $(a + b)^2 = a^2 + b^2 + 2ab$

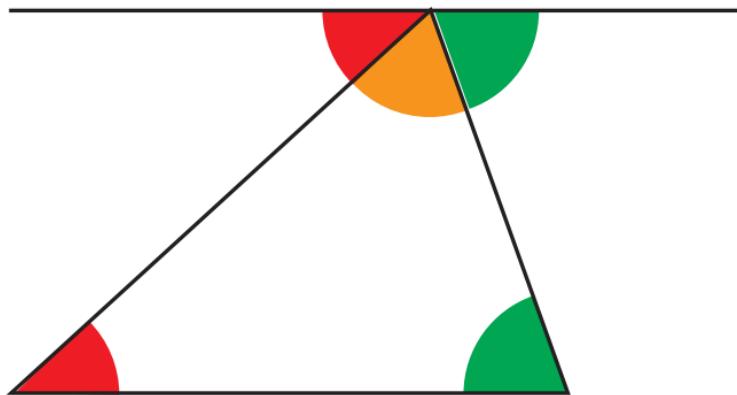


2. Teorema de Pitágoras: $a^2 + b^2 = c^2$



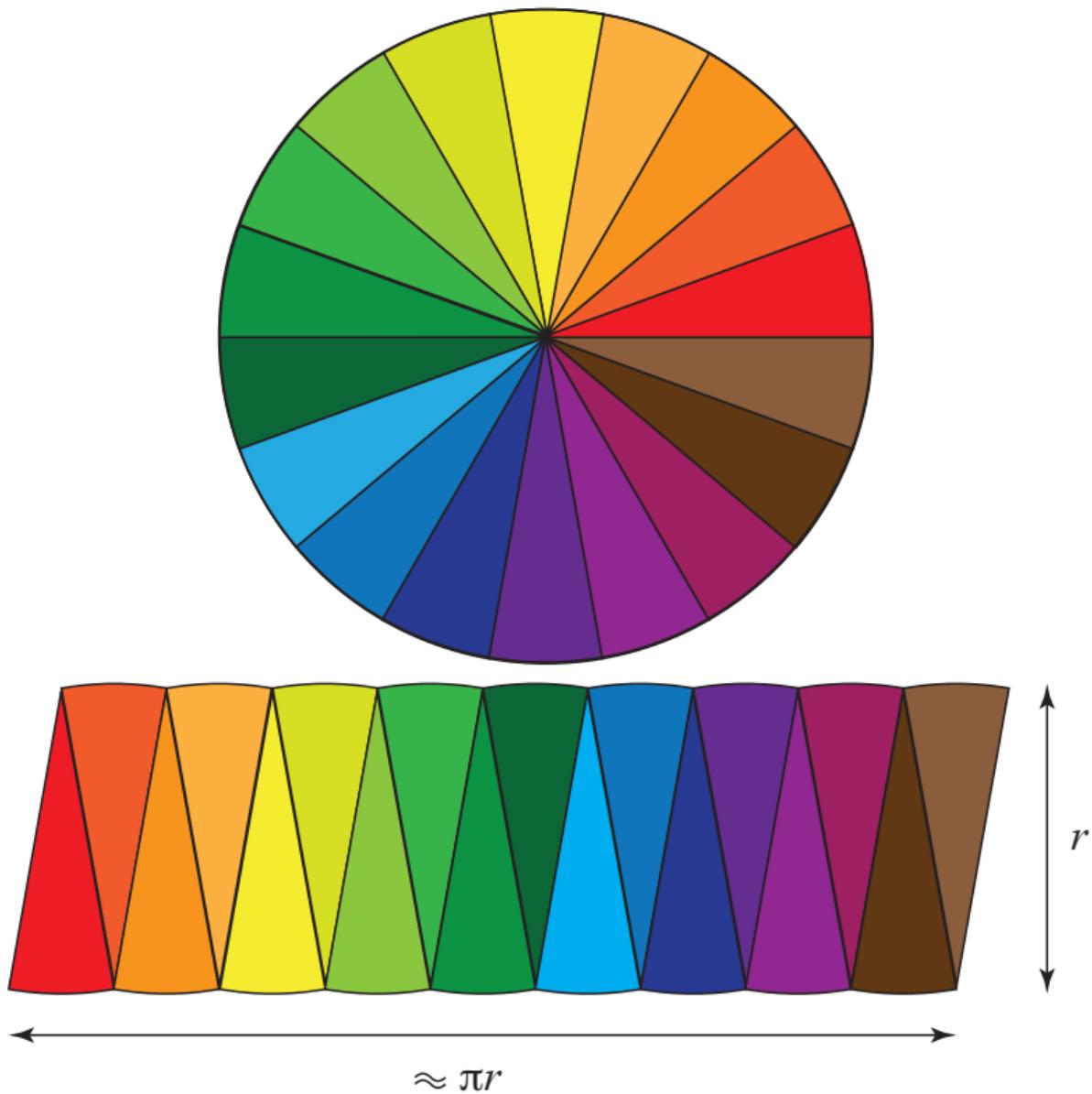


3.



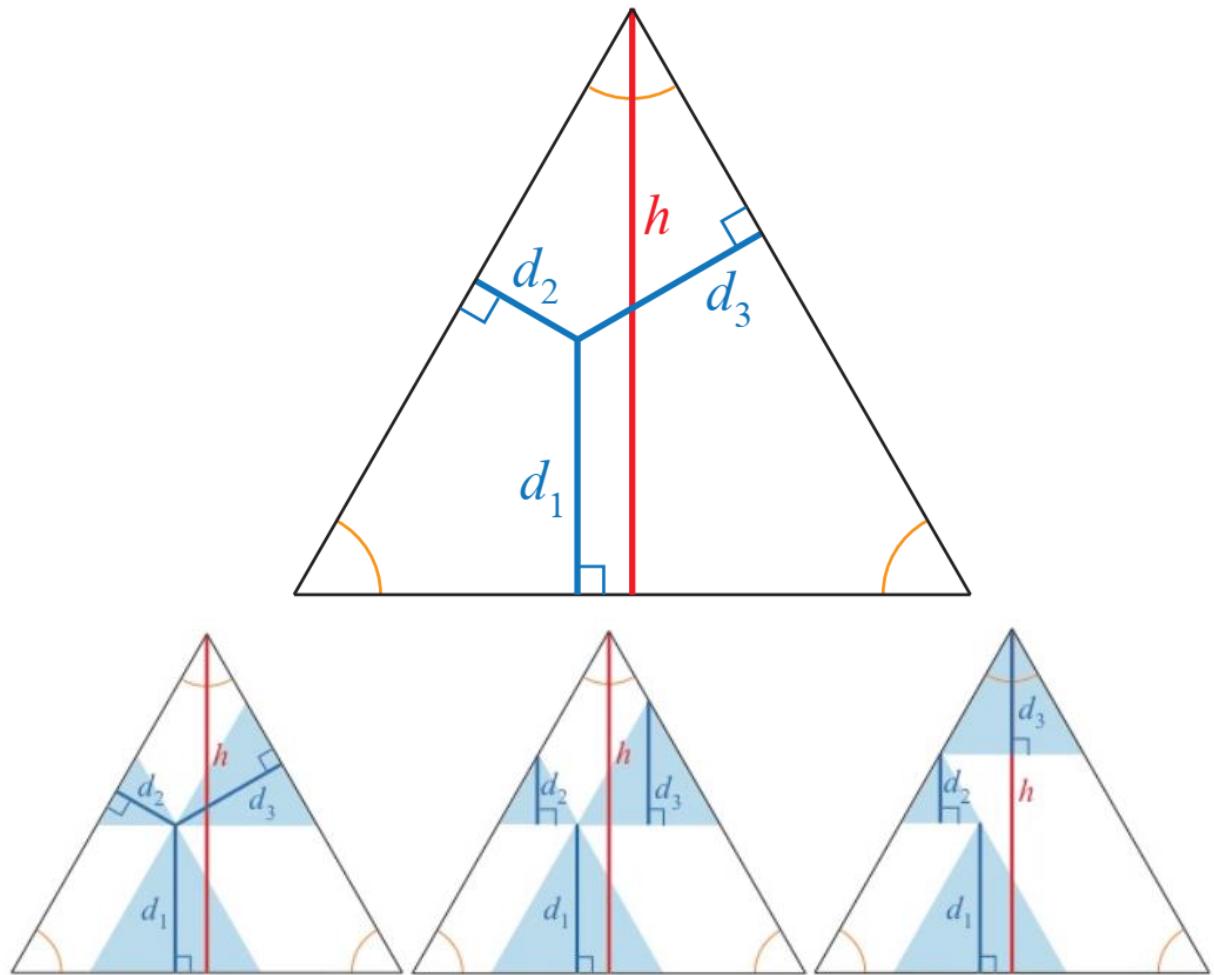


$$4. \quad A = \pi r^2$$



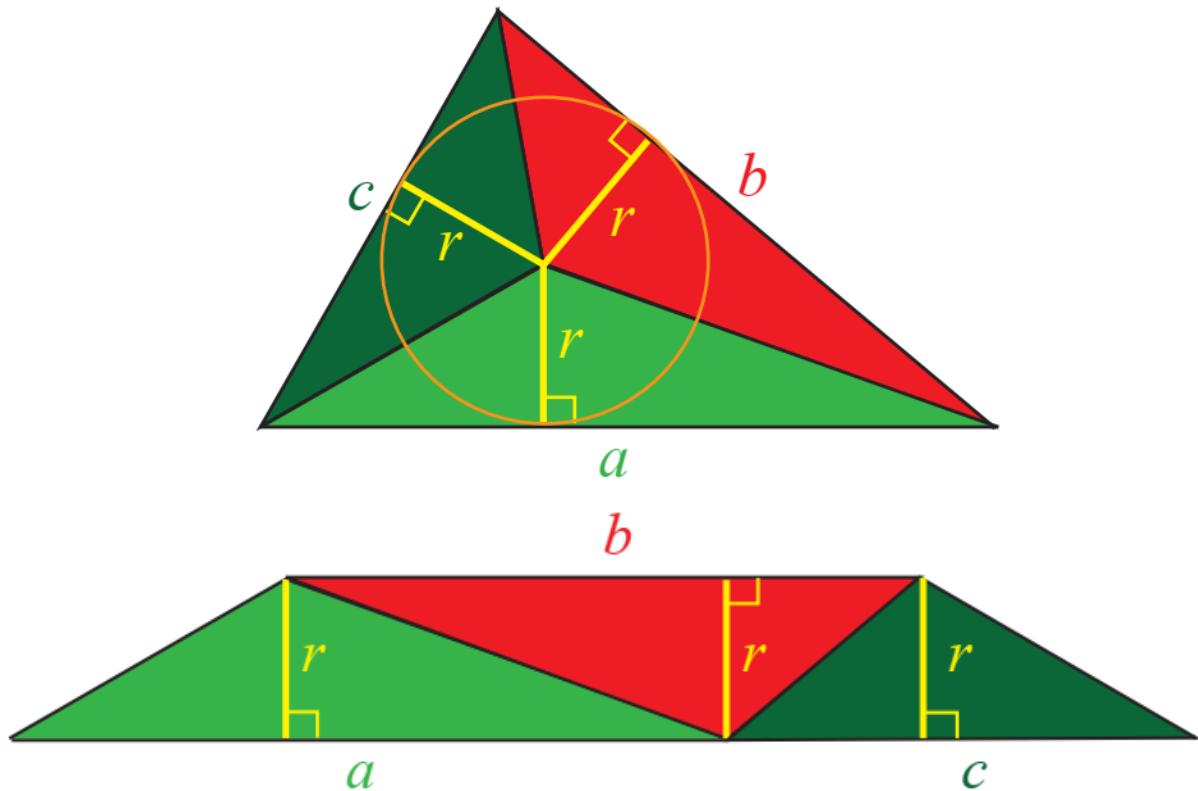


5. Teorema de Viviani: $d_1 + d_2 + d_3 = h$

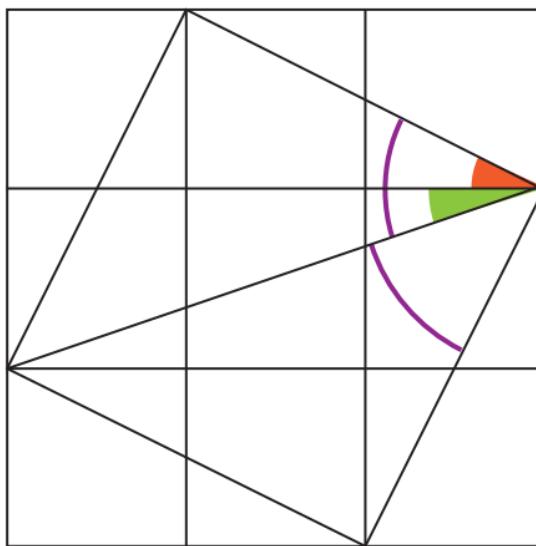




$$6. \ A = \frac{1}{2}r(a + b + c)$$

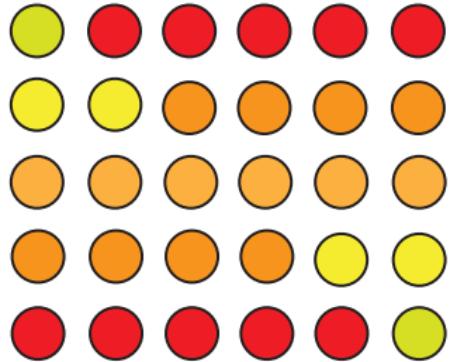
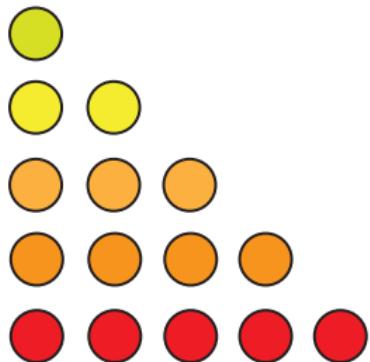


$$7. \ \arctan \frac{1}{2} + \arctan \frac{1}{3} = \arctan 1$$

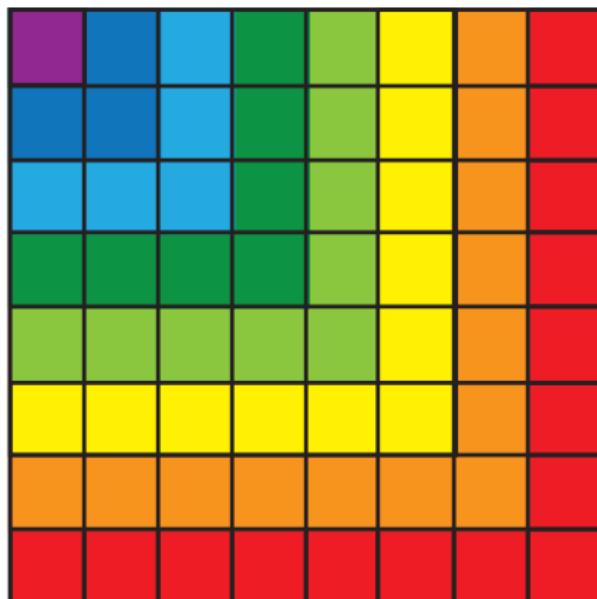




$$8. \quad 1 + 2 + \dots + n = n(n + 1)/2$$

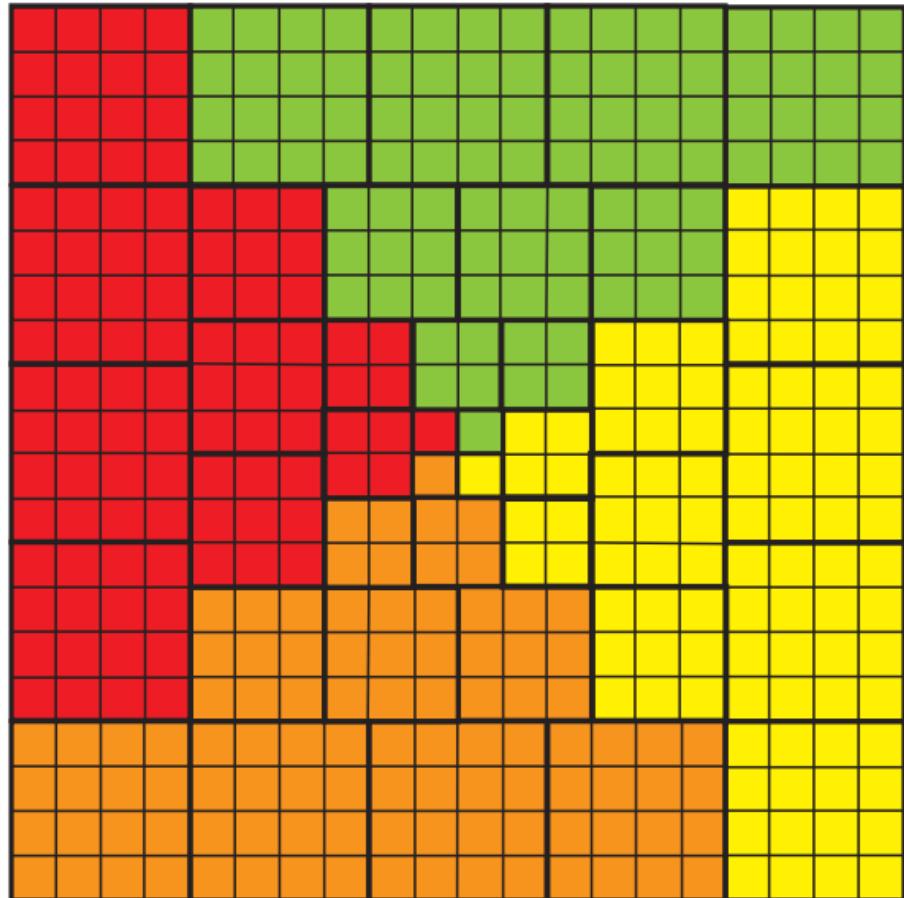


$$9. \quad 1 + 3 + \dots + (2n + 1) = n^2$$



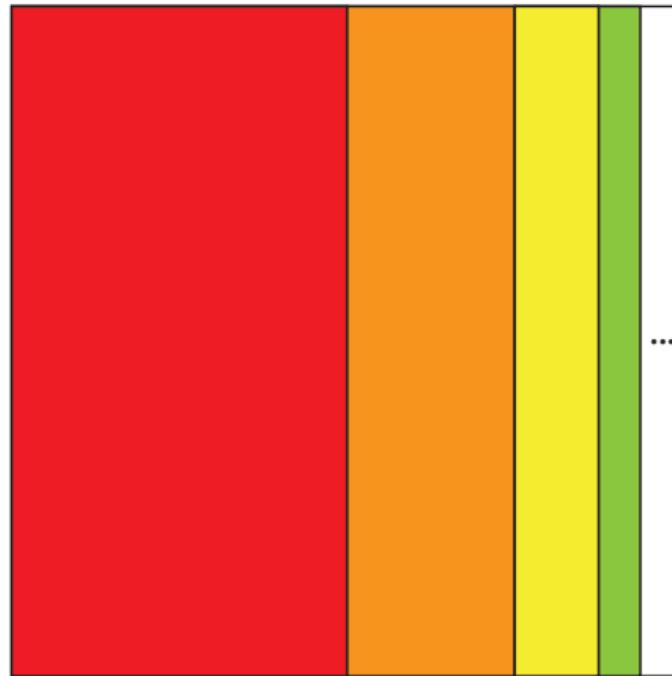


$$10. \ 1^3 + 2^3 + 3^3 + \dots + n^3 = \frac{1}{4} (n \times (n + 1))^2$$

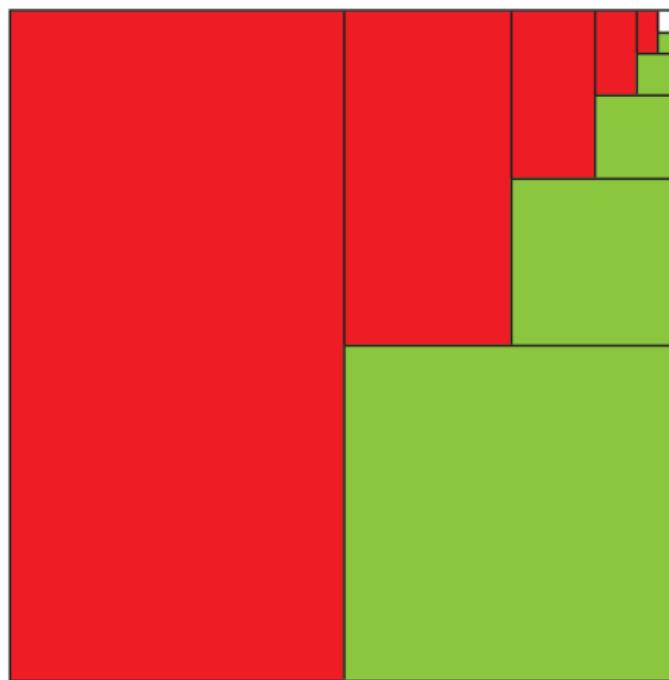




$$11. \ 1 = \frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{16} + \dots$$



$$12. \ \frac{1}{3} = \left(\frac{1}{4}\right) + \left(\frac{1}{4}\right)^2 + \left(\frac{1}{4}\right)^3 + \left(\frac{1}{4}\right)^4 + \dots$$

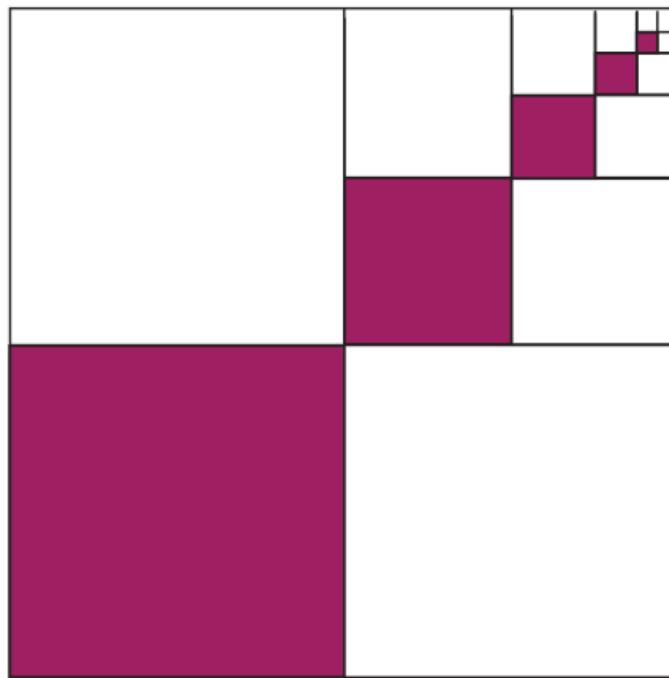




$$13. \frac{1}{3} = \left(\frac{1}{4}\right) + \left(\frac{1}{4}\right)^2 + \left(\frac{1}{4}\right)^3 + \left(\frac{1}{4}\right)^4 + \dots$$

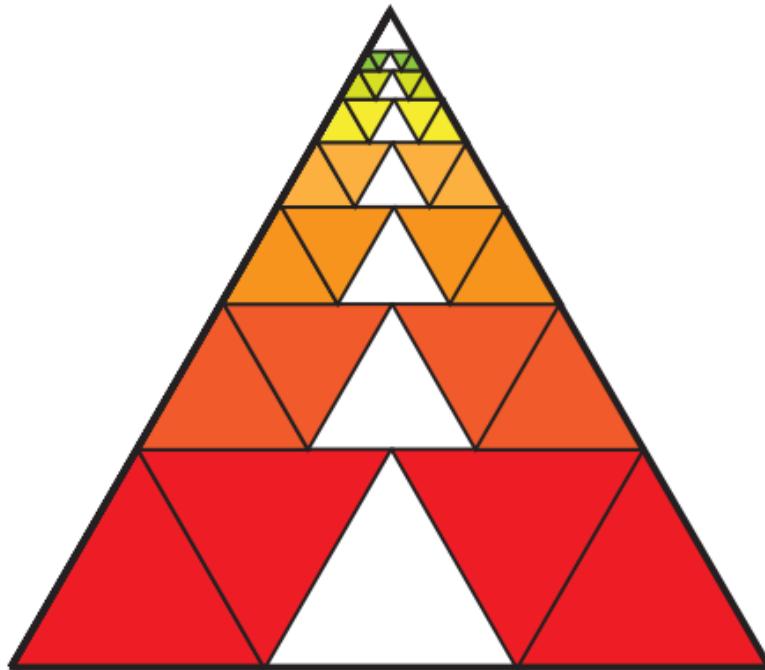


$$14. \frac{1}{3} = \left(\frac{1}{4}\right) + \left(\frac{1}{4}\right)^2 + \left(\frac{1}{4}\right)^3 + \left(\frac{1}{4}\right)^4 + \dots$$





$$15. \frac{1}{5} = \frac{1}{9} + \frac{1}{9} \times \frac{4}{9} + \frac{1}{9} \times \left(\frac{4}{9}\right)^2 + \frac{1}{9} \times \left(\frac{4}{9}\right)^3 + \dots$$



Criar e Partilhar!

Partilhe imagens e vídeos da atividade ou das estratégias propostas pelo grupo usando as hashtags **#idm314** ou **#dim314apm**.

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