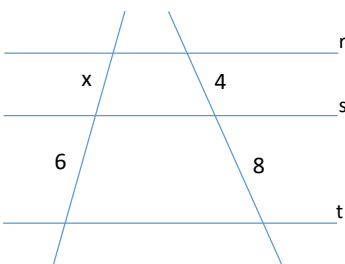




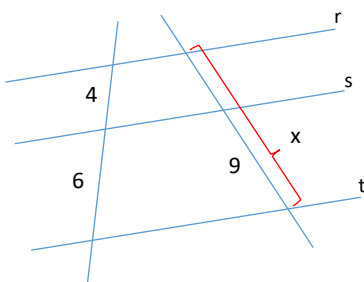
Exercícios: Teorema de Tales

Determine o valor de x em cada caso abaixo, sendo r , s e t retas paralelas.

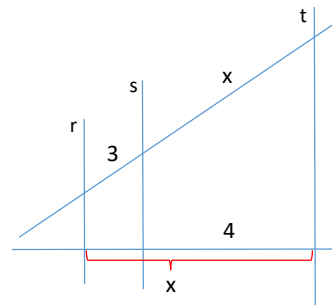
1.



2.

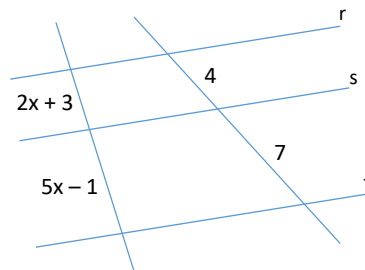


3.

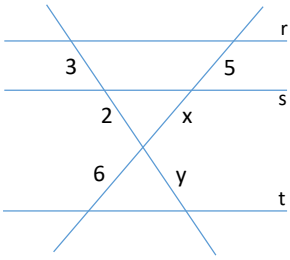


Nas figuras, as retas r , s e t são paralelas. Determine os valores de x e y .

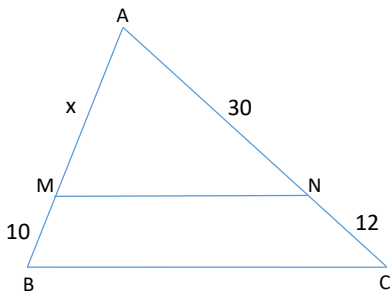
4.



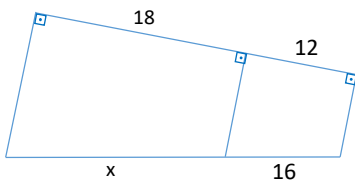
5.



6. Na figura, \overline{MN} é paralela à base \overline{BC} do triângulo ABC . Calcule o valor de x .

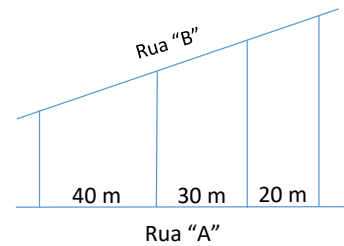


7. Na figura, calcule o valor de x .



8. Um feixe de cinco paralelas determina sobre uma transversal quatro segmentos que medem, respectivamente, 5 cm, 8 cm, 11 cm e 16 cm. Calcule o comprimento dos segmentos que esse mesmo feixe determina sobre uma outra transversal, sabendo que o segmento compreendido entre as paralelas extremas mede 60 cm.

9. Três terrenos têm frente para a rua "A" e para a rua "B", como na figura. As divisas laterais são perpendiculares à rua "A". Qual a medida de frente para a rua "B" de cada lote, sabendo que a frente total para essa rua é 180 m?



GABARITO:

1. 3
2. 15
3. 6

4. $25/6$
5. $10/3; 18/5$
6. 25

7. 24
8. $15/2; 12; 33/2; 24$
9. 80 m, 60 m, 40 m