

Entrance to Grade 10 Applied - Foundations of Mathematics (MPM2P)

Scrap paper is available but write your final solution clearly in the space provided

1. Estimate, then multiply. $4\frac{5}{6} \times 1\frac{4}{5}$

2. Simplify. $\frac{35x^7}{-7x^5}$ [A] $5x^2$ [B] $-x^2$ [C] $-5x^2$ [D] $-5x^{12}$

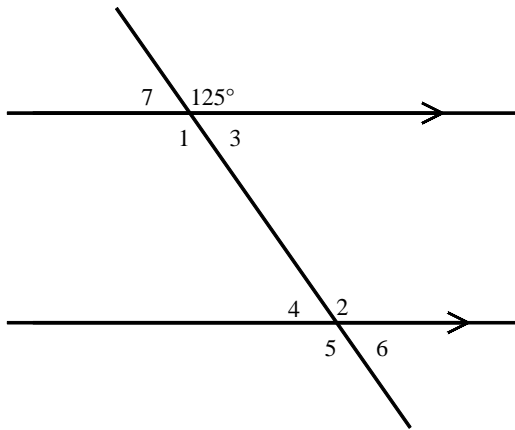
3. Gerrie was paid \$68.00 for 8 h of work. Jacques received \$61.60 for 7 h. Who had the higher rate of pay and by how much?

4. Write an equation of the line that passes through the point (2, -6) and has slope $\frac{2}{5}$. Then, rewrite the equation in slope and y-intercept form.

5. Find the mode of the data.
14, 17, 18, 13, 17, 18, 14, 13, 18, 15

6. Solve. $-4n + 19 + 2n + 23 = -4$ [A] $\frac{23}{3}$ [B] 0 [C] -19 [D] 23

7. Find the measures of $\angle 1$ and $\angle 3$.



8. Solve. $3.3x - 0.7 = 0.6x + 4.7$