POZNATI MATEMATIČARI

1. $a = 7\ cm$

$o = ?$

$o = 4 \cdot a$

$o = 4 \cdot 7\ cm$

$o = 28\ cm$

2. $\alpha = 48°$

$\beta = ?$

$\alpha + \beta = 180°$

$48° + \beta = 180°$

$\beta = 180° - 48°$

$\beta = 132°$

3. $\alpha = 180°$

4. $a = 8\ cm$

$o = ?$

$o = 3 \cdot a$

$o = 3 \cdot 8\ cm$

$o = 24\ cm$

5. $a = 7\ cm$

$b = 9\ cm$

$o = ?$

$o = 2a + 2b$

$o = 2 \cdot 7\ cm + 2 \cdot 9\ cm$

$o = 14\ cm + 18\ cm$

$o = 32\ cm$

6. $P = 76\ m^2$

$b = 19\ m$

$a = ?$

$P = a \cdot b$

$a = P : b$

$a = 76\ m^2 : 19\ m$

$a = 4\ m$

7. $\alpha + \beta + \delta + \varepsilon = 360°$

$\alpha = 54°$

$\beta = 124°$

$\delta = 138°$

$\varepsilon = ?$

$\alpha + \beta + \delta + \varepsilon = 360°$

$54° + 124° + 138° + \varepsilon = 360°$

$316° + \varepsilon = 360°$

$\varepsilon = 360° - 316°$

$\varepsilon = 44°$

8. $o = 20\ m$

$P = ?$

$o = 4 \cdot a$

$20\ m = 4 \cdot a$

$a = 20\ m : 4$

$a = 5\ m$

$P = a \cdot a$

$P = 5\ m \cdot 5\ m$

$P = 25\ m^2$

9. $o = 456\ cm$

$a = ?$

$o = 4 \cdot a$

$456 = 4 \cdot a$

$a = 456\ cm : 4$

$a = 114\ cm$

10. $o = 48\ cm$

$a = 13\ cm$

$b = ?$

$o = 2a + 2b$

$48\ cm = 2 \cdot 13\ cm + 2b$

$48\ cm = 26\ cm + 2b$

$2b = 48\ cm - 26\ cm$

$2b = 22\ cm$

$b = 22\ cm : 2$

$b = 11\ cm$

11. $P = 48\ cm^2$

$a = 16\ cm$

$b = ?$

$P = a \cdot b : 2$

$2P = a \cdot b$

$2 \cdot 48\ cm^2 = 16\ cm \cdot b$

$96\ cm^2 = 16\ cm \cdot b$

$b = 96\ cm^2 : 16\ cm$

$b = 6\ cm$

12. $5400' = 90°$ (jer $1° = 60'$)

13. $\alpha + \beta = 180°$

$\alpha = 81°$

$\delta = ?$ (vršni kut kutu β)

$81° + \beta = 180°$

$\beta = 180° - 81°$

$\beta = 99° \Rightarrow \delta = 99°$

14. $o = 76\ cm$

$a = 19\ cm$

$b = 370\ mm = 37\ cm$

$c = ?$

$o = a + b + c$

$76\ cm = 19\ cm + 37\ cm + c$

$76\ cm = 56\ cm + c$

$c = 76 - 56$

$c = 20\ cm$

15. $o = 1.41\ om$

$a = 370\ mm = 37\ cm$

$b = ?$

$o = a + 2b$

$141\ cm = 37\ cm + 2b$

$2b = 141\ cm - 37\ cm$

$2b = 104\ cm$

$b = 104\ cm : 2$

$b = 52\ cm$