



$$5. \quad C = \frac{7-32}{1,8} = \frac{-4-32}{1,8} = \frac{-36}{1,8} = \frac{-36}{\frac{18}{10}} = -36 : \frac{18}{10} =$$

$$= -36 \cdot \frac{10}{18} = -2 \cdot 10 = -20^\circ$$

R: A.  $-20^\circ C$

$$6. \quad d = ?$$

$$d = \frac{49+63}{2} = \frac{112}{2} = 56 \text{ cm}$$

R: A. 56 cm

$$7. \quad A = \text{linii} \cdot \text{coloane} = 4624$$

$$\text{liniile} = \text{coloanele} \quad \Rightarrow A = \text{linii}^2 = 4624 \Rightarrow$$

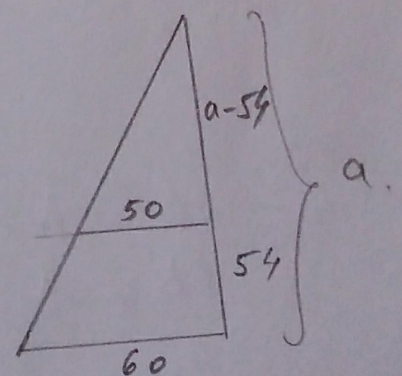
$$\Rightarrow \text{linii} = \sqrt{4624} = 68$$

R: B. 68

$$8. \quad \frac{50}{60} = \frac{a-54}{a}$$

$a =$  înălțimea contrafortului

$$\frac{50}{60} = \frac{a-54}{a} \Leftrightarrow \frac{5}{6} = \frac{a-54}{a} \Leftrightarrow$$



$$\Leftrightarrow 5a = 6(a-54) \Leftrightarrow 5a = 6a - 324 \Leftrightarrow 6a - 5a = 324 \Leftrightarrow$$

$$\Leftrightarrow a = 324 \text{ cm}$$

R: A. 324 cm

$$9. (3 \cdot 10^{-7}) : (2 \cdot 10^{-8}) = (3 : 2) \cdot 10^{-7 - (-8)} = 1,5 \cdot 10^{-7+8} = 1,5 \cdot 10 = 15 \text{ ori}$$

R: b.de 15 ori

10. PARFODIS = 8 litere  
SOLMIRENO = 9 litere  
LEDECIN = 7 litere  
MORONA = 6 litere

$$\frac{P}{8} = \frac{S}{9} = \frac{L}{7} = \frac{M}{6} = K$$

$$P + S + L + M = 360^\circ$$

$$\frac{P}{8} = K \Rightarrow P = 8K$$

$$\frac{S}{9} = K \Rightarrow S = 9K$$

$$\frac{L}{7} = K \Rightarrow L = 7K$$

$$\frac{M}{6} = K \Rightarrow M = 6K$$

$$8K + 9K + 7K + 6K = 360^\circ \Rightarrow 30K = 360^\circ \Rightarrow K = \frac{360^\circ}{30} \Rightarrow K = 12^\circ$$

$$M = 6K = 6 \cdot 12^\circ = 72^\circ$$

R: B.  $72^\circ$