

Sınaq		8			
		Riyaziyyat			
1	D	11	D	21	C
2	C	12	E	22	D
3	D	13	C	23	120
4	E	14	B	24	5
5	A	15	B	25	24
6	D	16	E	26	53
7	E	17	D	27	1C2B3A
8	D	18	E		
9	C	19	E		
10	C	20	C		

### I qrup

**Sual 28. Həlli:**

$$\begin{aligned} \frac{x \cdot 5\%}{100} &= 15 \\ 5x &= 1500 \\ x &= 300 \\ \frac{360 - 300}{300} \cdot 100 &= \frac{1}{5} \cdot 100 = 20 \end{aligned}$$

**Sual 29. Həlli:**

$$\begin{aligned} 7k + 11k &= 360 \\ 18k &= 360 \\ k &= 20 \quad 7k = 140 \quad 11k = 220 \\ \frac{220 - 140}{2} &= \frac{80}{2} = 40 \end{aligned}$$

**Sual 30. Həlli:**

$$\begin{aligned} \angle D &= 180 - (\alpha + \beta) \\ \angle B &= 180 - [(180 - 2\alpha) + (180 - 2\beta)] = 180 - 180 + 2\alpha - 180 + 2\beta = 2(\alpha + \beta) - 180 \\ 2(\alpha + \beta) &= \angle B + 180 \\ \alpha + \beta &= \frac{\angle B}{2} + 90 \\ \angle D &= 180 - \left(\frac{\angle B}{2} + 90\right) = 180 - \frac{\angle B}{2} - 90 = 90 - \frac{\angle B}{2} \end{aligned}$$

### II qrup

**Sual 28. Həlli:**

$$\begin{aligned} 5k + 12k + 13k &= 900 \\ 30k &= 900 \\ k &= 30 \quad 150 \quad 360 \quad 390 \\ \frac{360 + 150 - 390}{2} &= 60 \end{aligned}$$

**Sual 29. Həlli:**

$$\begin{aligned} 900 \cdot \frac{7}{18} &= 50 \cdot 7 = 350 \\ \frac{900 \cdot 75}{100} &= 9 \cdot 75 = 675 \\ 675 - 350 &= 325 \end{aligned}$$

**Sual 30. Həlli:**

$$\begin{aligned} \frac{16200 \cdot 80}{100} &= 162 \cdot 80 = 12960 \\ 1 \text{ m}^2 & \text{-----} 32 \\ 12960 \text{ m}^2 & \text{-----} x \\ x &= \frac{12960}{32} = 405 \end{aligned}$$