

Sınaq		9			
		Riyaziyyat			
1	E	11	E	21	E
2	C	12	B	22	B
3	E	13	C	23	80
4	C	14	C	24	50
5	B	15	E	25	6
6	C	16	D	26	2
7	A	17	B	27	1D2C3A
8	D	18	C		
9	D	19	B		
10	A	20	C		

### I qrup

Sual 28.

**Həlli:**  $2(k + 3k) = 48$   $(2R)^2 = 6^2 + 18^2$   
 $4k = 24$   $4R^2 = 36 + 324$   
 $k = 6$   $4R^2 = 360$   
 $6 \quad 18$   $R^2 = 90$

$$\pi R^2 - 6 \cdot 18 = 90\pi - 108$$

Sual 29.

**Həlli:**  $g(2) = 3 \cdot 2^2 - 2 + a + 1 = 11 + a$   
 $f(g(2)) = 5(11 + a) - 2 = 8$   
 $55 + 5a - 2 = 8$   
 $5a = 8 - 53$   
 $5a = -45$   
 $a = -9$

Sual 30. **İsbati:**

$$(4a - h)^2 = h^2 + 4a^2$$

$$16a^2 - 8ah + h^2 = h^2 + 4a^2$$

$$12a^2 = 8ah$$

$$12a = 8h$$

$$h = \frac{12}{8}a = \frac{3}{2}a$$

$$S = \frac{a+3a}{2} \cdot \frac{3}{2}a = 2a \cdot \frac{3}{2}a = 3a^2$$

### II qrup

Sual 28.

**Həlli:**

$$4 \cdot \frac{10 \cdot 10}{2} = 4 \cdot \frac{100}{2} = 4 \cdot 50 = 200 \text{ sm}^2$$

$$\frac{200}{625} \cdot 100 = \frac{8}{25} \cdot 100 = 32\%$$

Sual 29.

**Həlli:**

$$V = 5 \text{ m} \cdot 25 \text{ m} \cdot 2 \text{ m} = 250 \text{ m}^3 = 250 \text{ 000 dm}^3 = 250 \text{ 000 litr}$$

Sual 30. **Həlli:**

$$30 \text{ ----- } 125\%$$

$$x \text{ ----- } 100\%$$

$$x = \frac{30 \cdot 125}{100} = \frac{375}{10}$$

$$10 \left( \frac{1}{30} + \frac{10}{375} \right) = 10 \cdot \frac{375 + 300}{30 \cdot 375} = 10 \cdot \frac{675}{30 \cdot 375} = \frac{9}{3 \cdot 5} = \frac{3}{5}$$