

Sınaq		4	
Riyaziyyat			
1	C	11	C
2	C	12	E
3	E	13	C
4	E	14	B
5	B	15	B
6	A	16	A
7	C	17	B
8	C	18	D
9	C	19	D
10	D	20	D
		21	A
		22	D
		23	9
		24	2
		25	50
		26	6
		27	1C2E3B

### I qrup

Sual 28. Həlli:

$$\frac{x+5}{25} \cdot 100 = 30 \qquad \frac{2,5}{20} \cdot 100 = 2,5 \cdot 5 = 12,5\%$$

$$(x+5) \cdot 4 = 30$$

$$x+5 = 7,5$$

$$x = 2,5$$

Sual 29. Həlli:

$$x - (-5) = 2(1-x) = 3(y-1)$$

$$x+5 = 2-2x \qquad 2(1-(-1)) = 3(y-1)$$

$$3x = 2-5 \qquad 2 \cdot 2 = 3y-3$$

$$3x = -3 \qquad 4+3 = 3y$$

$$x = -1 \qquad y = \frac{7}{3}$$

$$x+y = -1 + \frac{7}{3} = \frac{-3+7}{3} = \frac{4}{3}$$

Sual 30. Həlli:

$$\frac{k}{4} \left( \frac{4}{3 \cdot 7} + \frac{4}{7 \cdot 11} + \frac{4}{11 \cdot 15} + \frac{4}{15 \cdot 19} \right) = \frac{k}{4} \left( \frac{1}{3} - \frac{1}{7} + \frac{1}{7} - \frac{1}{11} + \frac{1}{11} - \frac{1}{15} + \frac{1}{15} - \frac{1}{19} \right) =$$

$$= \frac{k}{4} \left( \frac{1}{3} - \frac{1}{19} \right) = \frac{k}{4} \cdot \frac{19-3}{3 \cdot 19} = \frac{k}{4} \cdot \frac{16}{3 \cdot 19} = \frac{4 \cdot k}{3 \cdot 19}$$

### II qrup

Sual 28. Həlli:

$$506 = 2 \cdot 11 \cdot 23 \qquad 220 = 2 \cdot 2 \cdot 5 \cdot 11$$

$$\partial BOB(506; 220) = 2 \cdot 11 = 22$$

$$\frac{506}{22} + \frac{220}{22} = 23 + 10 = 33$$

Sual 29. Həlli:

$$\frac{75 \cdot 65}{100} = 48$$

$$n(S \cup D) = 48 \qquad n(S) = 26$$

$$n(D \setminus S) = 48 - 26 = 22$$

$$n(S \cap D) = 22 - 8 = 14$$

Sual 30. Həlli:

$$\frac{x \cdot 40}{100} = 18$$

$$x = 45 \qquad y = 75$$

$$\frac{18+24}{45+75} \cdot 100 = \frac{42}{120} \cdot 100 = \frac{7}{20} \cdot 100 = 35$$