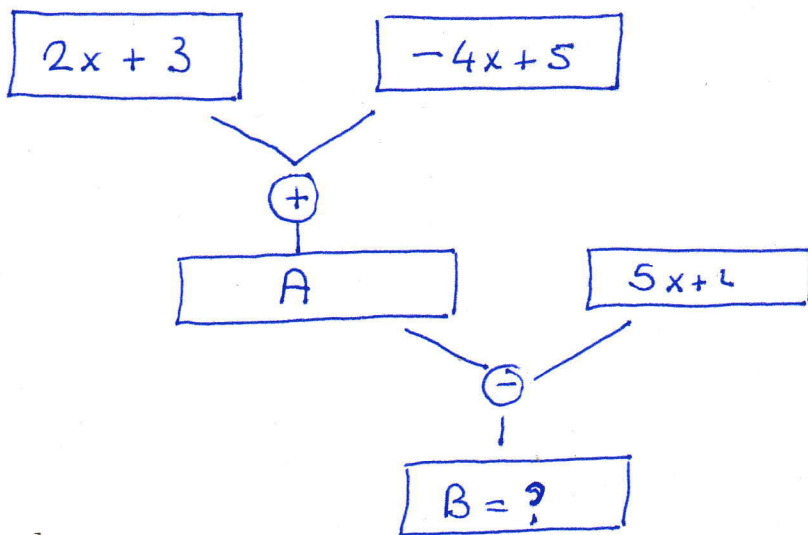


SR-4  $A = (-4x - 7) + (-6x - 11) = (-4x - 6x) + (-7 - 11) = \boxed{-10x - 18}$

SR-5  $A = 4 \cdot (2x + 3) = \boxed{8x + 12}$

SR-6  $A = 2 \cdot (x - 5) + 3 \cdot (2x + 4) = (2x - 10) + (6x + 12) = (2x + 6x) + (-10 + 12)$   
 $A = \boxed{8x + 2}$

SR-7



$A = (2x - 4x) + (3 + 5)$

$A = -2x + 8$

$B = (-2x + 8) - (5x + 2)$

$B = (-2x - 5x) + (8 - 2)$

~~$B = -7x + 6$~~

$B = -7x + 6$

SR-8

$C = (x - 1) + (x + 4) + (3x - 6) + (x + 5) + (2x - 2)$

$C = (x + x + 3x + x + 2x) + (-1 + 4 - 6 + 5 - 2) = 8x + 9 - 9 = \boxed{8x}$

SR-9

$A = ?$   $2x$

$A = 2x \cdot (4x - 3) = 8x^2 - 6x$

SR-10

$a_n = 2n + 1 = 33$   
 $2n = 32$   
 $n = 16$  adım

SR-11  $A = 3x \cdot (x + 3) = 3x^2 + 9x$

~~SR-12  $a_n = 2n + 20$~~

~~$20, 62, 54$~~

~~$f = a_2 - a_1 = 8$~~

~~$a_n = 2n + 20$~~

$a_2 = 4 + 9$

SR-12

$70, 62, 54 \rightarrow$  Geometrik Dizi

$a_1 = 70, a_2 = 62, a_3 = 54$

$a_n =$  Genel Terim  $n=n$

$n = n.$  teri

$a_1 = 1.$  terim  $n=1$

$a_n = a_1 + (n-1)r$

$r =$  ortak fark

$r = a_{n+1} - a_n = a_2 - a_1 = 62 - 70$

$r = -8$

$a_1 = 70$

$a_n = a_1 + (n-1)r$

$a_n = a_1 + (n-1)r$

$a_n = 70 + (n-1)(-8) = 70 + (-8n) + 8 = 78 - 8n = -8n + 78$

$a_n = -8n + 78$  genel terim

SR-13 ①  $(2x+5)$

②  $3x$

③  $5x$

④  $x+3$

Ⓐ  $6x^2 + 7x = x(6x+7) = \text{YOK}$

Ⓑ  $10x^2 + 25x = 5x(2x+5) = \text{YAR } (3, 1)$

Ⓒ  $4x^2 + 11x - 3 = (x+3)(4x-3) = \text{YOK}$

$$\begin{array}{r} x \quad +3 \\ 4x \quad -1 \\ \hline \end{array}$$

Ⓓ  $8x^2 + 18x - 5 = (2x+5)(4x-1) = \text{YOK}$

$$\begin{array}{r} 2x \quad 5 \\ 4x \quad -1 \\ \hline \end{array}$$

SR-14  ~~$a_n = a_1 + (n-1)r$~~

$a_x = a_1 + r$

$132 = 65 + x \cdot 12$

$x \cdot 12 = 72$

$x = \frac{72}{12}$

$x = 6$

EŞİTLİK ve DENKLEM KAZANIM TARAMA TESTİ

SR-1  
 $x =$  Kırmızı

$5 + x = 3x + 1$

$3x + 1 = x + 5$

$3x - x = 5 - 1$

$2x = 4$

$x = 2$

SR-2

$2x + 2 = x + 5$

$2x - x = 5 - 2$

$x = 3$

SR-3

$3x - 5 = 13$

$3x = 13 + 5$

$3x = 18$

$x = \frac{18}{3} = 6$

$x = 6$

$$\begin{aligned} \text{SR-4} \quad 2x+2 &= (2 \cdot 4) + (1 \cdot 2) \\ 2x+2 &= 8+2 \\ 2x &= 8 \\ \boxed{x=4} \end{aligned}$$

$$\begin{aligned} \text{SR-5} \quad 3x+3 &= x+8+5 \\ 3x-x &= 13-3 \\ 2x &= 10 \\ \boxed{x=5} \end{aligned}$$

$$\begin{aligned} \text{SR-6} \quad 4a-19 &= a+2 \\ 4a-a &= 2+19 \\ 3a &= 21 \\ \boxed{a=7} \end{aligned}$$

$$\begin{aligned} \text{SR-7} \quad A &= 3E + S \\ A &= 38 \\ E &= x \end{aligned} \quad \left. \vphantom{\begin{aligned} A &= 3E + S \\ A &= 38 \\ E &= x \end{aligned}} \right\} \begin{aligned} A &= 3E + S \\ 38 &= 3x + 5 \\ \boxed{3x+5=38} \end{aligned}$$

$$\begin{aligned} \text{SR-8} \quad 4x-1 &= 23-2x \\ 4x+2x &= 23+1 \\ 6x &= 24 \\ \boxed{x=4} \end{aligned}$$

$$\begin{aligned} \text{SR-9} \quad 5 \cdot (x-2) &= 25 \quad \text{we } x=? \\ 5x-10 &= 25 \\ 5x &= 25+10 \\ 5x &= 35 \\ \boxed{x=7} \end{aligned}$$

$$\begin{aligned} \text{SR-10} \quad 2(2x-1) + 3(-x+4) &= 0 \\ 4x-3x-2+12 &= 0 \\ x+10 &= 0 \\ \boxed{x=-10} \end{aligned}$$

$$\begin{aligned} \text{SR-11} \quad \text{SOL} &= 3,3+2,2 = 13 \text{ gr} \\ \text{SAG} &= 3,4+2 = 11 \text{ gr} \end{aligned}$$

a	b	c	d	
2	1	4	3	→ 16 → SOL
2	3	6	3	→ 14 → SOL
D	D	D	Y	Dengede degil

$$\begin{aligned} \text{SR-12} \quad 2x+3(x+3)-4 &= 2(x+3)+35 \\ 2x+3x+9-4 &= 2x+6+35 \\ 3x+5 &= 41 \\ 3x &= 36 \\ \boxed{x=12} \end{aligned}$$

$$\begin{aligned} \text{SR-13} \quad 7x-3(x+3) &= 27 \\ 7x-3x &= 27+9 \\ 4x &= 36 \\ \boxed{x=9} \end{aligned}$$

$$\begin{aligned} \text{SR-14} \quad 3(-x+2)+2x &= 3x-54 \\ -3x+2x &= 3x-54-6 \\ -4x &= -60 \\ \cancel{x} &= 15 \\ \boxed{x=15} \end{aligned}$$

## PROBLEM GÖRME TESTİ

$$\begin{aligned} \text{SR-1} \quad 4(x-2) &= 3x+5 \\ 4x-8 &= 3x+5 \\ 4x-3x &= 5+8 \\ \boxed{x=13} \end{aligned}$$

$$\begin{aligned} \text{SR-2} \quad K_1 &= 2K_2+1 \\ K_1+K_2 &= 22 \end{aligned} \quad \left. \vphantom{\begin{aligned} K_1 &= 2K_2+1 \\ K_1+K_2 &= 22 \end{aligned}} \right\} \rightarrow K_2=? \\ 2K_2+1+K_2 &= 22 \\ 3K_2 &= 21 \\ \boxed{K_2=7} \end{aligned}$$



SR-3

$$b = \frac{3x-1}{x+2}$$

$$Ç = 50 \text{ cm}$$

$$b = ?$$

$$b = ?$$

$$Ç = 2(a+b) = 50$$

$$a+b = 25$$

$$4x+1 = 25$$

$$4x = 24$$

$$x = 6$$

$$b = 3x-1 = 3 \cdot 6-1$$

$$b = 18-1 = 17$$

$$b = 17 \text{ cm}$$

SR-4

$$S = E + K$$

$$E = 2K-6$$

$$S = 36$$

$$K = ?$$

$$S = E + K$$

$$36 = 2K-6 + K$$

$$3K-6 = 36$$

$$3K = 42$$

$$K = 14$$

SR-5

$$a = x-2 = 5$$

$$b = 3x-5 = 16$$

$$c = 2x+3 = 17$$

$$C = a+b+c = 38$$

$$Ç = a+b+c$$

$$a+b+c = Ç$$

$$6x-4 = 38$$

$$6x = 42$$

$$x = 7$$

gönlü cevap B

SR-6

1. sayı = x
2. sayı = x+1 = 34+1 = 35
3. sayı = x+2

$$+ \begin{array}{r} 105 = 3x+3 \\ 3x = 102 \\ \hline x = 34 \end{array}$$

$$OS = 35$$

SR-7

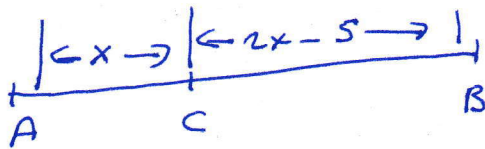
$$A = 3E + S = 38 \Rightarrow E = ? = x$$

$$3x + 5 = 38$$

$$3x = 33$$

$$x = 11$$

SR-8



$$|BC| = 59 \text{ km}$$

$$S_{AB} = ?$$

$$2x-5 = 59$$

$$2x = 64$$

$$x = 32$$

$$S_{AB} = 3x-5$$

$$= 3 \cdot 32-5 =$$

$$= 96-5 = 91 \text{ km}$$
~~$$= 36 \text{ km}$$~~

SR-9

$$\left. \begin{array}{l} Ç_1 = 4a_1 \\ Ç_2 = 4a_2 \\ a_2 - a_1 = 12 \\ Ç_1 + Ç_2 = 192 \text{ cm} \end{array} \right\} \Rightarrow a_2 = ?$$

$$Ç_1 + Ç_2 = 4 \cdot (a_1 + a_2) = 192$$

$$\begin{array}{r} a_1 + a_2 = 48 \\ -a_1 + a_2 = 12 \\ \hline 2a_2 = 60 \\ a_2 = 30 \end{array}$$

SR-10

$$1 \text{ Dr} \quad K + E = 60$$

$$2 \text{ Dr} \quad \begin{array}{l} K+6+E+6 = 72 \\ K+E+12 = 72 \end{array} \Rightarrow E = 2B$$

$$S_1 \quad S_2$$

$$12 + K + E = E + B_2$$

$$60 = 3B_2$$

$$60 = 3B_2$$

$$B_2 = 20$$

SR-10

1. Durum

$$P_1 = E_1 + B_1 = 60$$

2 DURUM

$$P_2 = 72 = E_2 + B_2 = E_1 + B_1 + 12$$

$$E_2 = E_1 + 6$$

$$B_2 = B_1 + 6$$

$$\boxed{E_2 = 2B_2}$$

$$E_1 + 6 = 2(B_1 + 6)$$

$$E_1 + 6 = 2B_1 + 12$$

$$\bar{+} E_1 - 2B_1 = \bar{+} 6$$

$$E_1 + B_1 = 60$$

$$3B_1 = 54$$

$$\boxed{B_1 = 18}$$

SR-11

X = Bilya Sayısı

$$\left. \begin{array}{l} X \quad | \quad 6 \\ \hline \phantom{X} \quad | \quad Y \\ \hline 0 \end{array} \quad \begin{array}{l} X \cdot \quad | \quad (6-2) \\ \hline \phantom{X \cdot} \quad | \quad Y+8 \\ \hline 0 \end{array} \right\} \Rightarrow X = ?$$

$$X = 6Y = 4(Y+8) \Rightarrow$$

$$6Y = 4(Y+8)$$

$$6Y - 4Y = 32$$

$$2Y = 32$$

$$\boxed{Y = 16}$$

$$X = 6Y = 6 \cdot 16 = 96$$

$$\boxed{X = 96 \text{ Bilya}}$$

$$\begin{array}{r} 15 \\ \times 15 \\ \hline 75 \\ 150 \\ \hline 225 \end{array}$$

SR-12

~~Bazgun~~  
~~X = 10 sayfa okudugu gun sayisi~~  
~~150-x = Bazgun~~  
~~15 sayfa okudugu gun sayisi~~  
~~Kitap = 150 sayfa~~  
~~10x + 15(150-x) = 150~~  
~~150x + 2250 - 15x = 150~~  
~~10x - 15x + 2250 = 150~~  
~~-5x = 150 - 2250~~  
~~-5x = -2100~~  
~~5x = 2100~~  
~~x = 420~~

SR-12

Bazı günler  
15 sayfa  
Okuduğu gün = ~~12-x~~  
Gün sayısı = x

Bazı günler  
10 sayfa  
Okuduğu gün = (12-x)  
sayısı

x Günde Okuduğu  
Toplam sayfa  
15x

(12-x) günde  
Okuduğu Top-  
lam sayfa  
10(12-x)

KITAP  
TOP  
SAYFA  
150

Denklem Kuralım

$$3x + 10(12-x) = 150$$

$$3x + 2(12-x) = 30$$

$$3x - 2x + 24 = 30$$

$$x = 6$$

$$x = ?$$

Sonuç = 6 gün <sup>suresince</sup> bazı günler kitap okudu

SR-13

$$KKY = 3STK + 7$$

$$KKY = 130 \Rightarrow KKY + STK = ?$$

$$STK = x$$

$$130 = 3x + 7$$

$$3x = 123$$

$$x = 41 \rightarrow \text{Satılan Koyunlar}$$

$$\begin{aligned} \text{Koyunların} \\ \text{Tamamı} &= KKY + STK = 130 + 41 \\ &= \frac{171}{7} \end{aligned}$$

SR-14

Hayvan  
Sayısı  
40

Tayukların  
Sayısı  
(x)

Koyunların  
Sayısı  
(40-x)

Tayukların  
Ayak Sayısı  
2x

Koyunların  
Ayak Sayısı  
4(40-x)

Top  
Ayak  
Sayısı  
110

$$2x + 4(40-x) = 110$$

$$x + 80 - 2x = 110$$

$$x = 25$$

1 - 9 → 9 3

10 - 19 → 20

20 - 29 → 20

30 - 39 → 20

40 - 49 → 20

50 - 59 → 20

60 - 69 → 20

70 - 79 → 20

80 - 89

90 - 99

99 - 100

3 x 20 = 180

189

198

224

198

124

$$100 - 109 \rightarrow 9 \cdot 3 = 27$$

$$110 \quad 1$$

110 sayfa

$$\begin{array}{r} 222 \\ 189 \\ \hline 32 \end{array}$$

$$3 \cdot 10 = 30$$

$$100 + 10 = 110 \text{ sayfa}$$



1- TAM SAYILARIN KAZANIM TARAMA TESTİ

SR-1

$$A = [(-42) : (+6)] \cdot (-8) = (-7) \cdot (-8) = +56 = 56$$

SR-2

$$A = 144 : (-16) + (-5) \cdot (-4) = -9 + 20 = 11$$

$$\begin{array}{r} 144 \overline{) 16} \\ \underline{-144} \phantom{00} \\ 000 \end{array}$$

SR-3

$$A = (-3) \cdot (-4) - (+48) : -6 = (+12) - (-8) = +12 + 8 = +20 = 20$$

SR-4

$$V_{MARTI} = 4 \text{ m/s}$$

$$H = S = \text{YOL} = 12 + 1 = 13 \text{ m}$$

$$t = \frac{S}{V} = \frac{13}{4} = 3,25 \text{ saniye}$$

$$t = 3,25 \text{ saniye} \rightarrow 3-4 \text{ saniye arası}$$



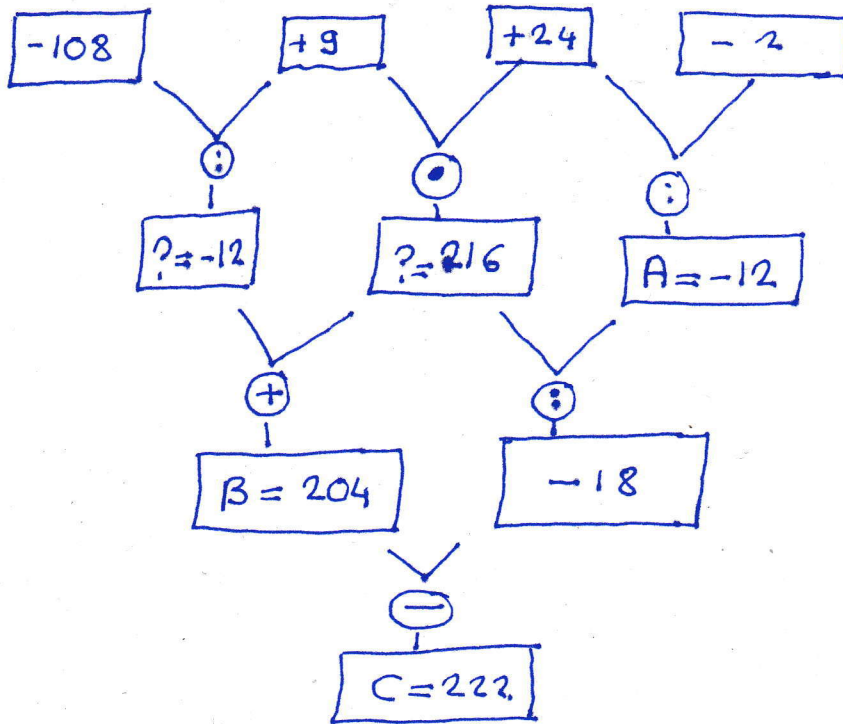
$$S = v \cdot t$$

$$v = \frac{S}{t}$$

$$t = \frac{S}{v}$$

$$\begin{array}{r} 13 \overline{) 4} \\ \underline{12} \phantom{00} \\ 10 \phantom{00} \\ \underline{-8} \phantom{00} \\ 20 \phantom{00} \\ \underline{-20} \\ 00 \end{array}$$

SR-5

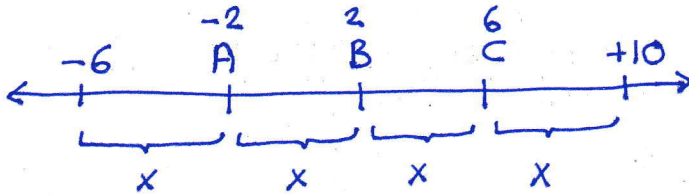


$$\begin{array}{r} 216 \overline{) 12} \\ \underline{-12} \phantom{00} \\ 96 \phantom{00} \\ \underline{-96} \\ 00 \end{array}$$

İSTENEN = K = ?

$$K = A - B + C = -12 - 204 + 222 = -216 + 222 = +6$$

SR-6



$x =$  Eşit Parçalardan her birinin uzunluğu

$$(-6) + 4x = (+10)$$

$$4x = +10 + 6$$

$$4x = 16$$

$$x = 4$$

$$A = -6 + x = -6 + 4 = -2$$

$$B = -6 + 2x = -6 + 8 = 2$$

$$C = -6 + 3x = -6 + 12 = 6$$

CEVAP.

C: B sayılar sıfırın sağında yer alır.

SR-7

$$4A : (-3) = 20 \xrightarrow{\text{ise}} A = ? \text{ kaçtır.}$$

$$4A = -3 \cdot 20$$

$$4A = -60^{-15}$$

$$\boxed{A = -15}$$

$A = ?$  kaçtır.

$$10 : 2 = 5$$

$$\boxed{10} = 2 \times 5$$

$$4A = +60$$

$$2 \cdot \boxed{5} = 10$$

$$\downarrow$$

$$\boxed{5} = 10 : 2$$

$$A = -60 : 4$$

$$\boxed{A = -15}$$

SR-8

çarpma

↑	-3	a
+2	b	8
-5	+15	c

$$\xrightarrow{\text{ise}} A = (c : a) + b = ?$$

$$A = (-15 : 3) + (-6)$$

~~$$A = -5 + (-6)$$~~

$$A = -5 - 6 = -11$$

$$b = (+2) \cdot (-3) = -6 \Rightarrow \boxed{b = -6}$$

$$a \cdot (+2) = 8 \Rightarrow a = \frac{8}{2} = 4$$

$$\boxed{a = 4}$$

$$c = (-5) \cdot (4) = -20$$

$$\boxed{c = -20}$$

SR-9

1. AY  $\longrightarrow$  10.000 TL KAR (+)

2. AY  $\longrightarrow$  20.000 TL KAR (+)

3. AY  $\longrightarrow$  5.000 TL ZARAR (-)

4. AY  $\longrightarrow$  17.500 TL ZARAR (-)

A) Y  $\xrightarrow{\text{Diyen}} 20000$

B) D  $\longrightarrow -17500$

C) Y  $\longrightarrow +30.000$

D) Y  $\longrightarrow +7500$

TOPLAM KÂR-ZARAR DURUMU =  $(10 + 20 - 5 - 17500)$  BIN =  $(30 - 22,5)$  Bin = 7500 TL KAR



SR-10  $h_k =$  Asansörün her bir katının yüksekliği  $3m$

$V_{AS} =$  Asansörün hızı  $= 3m/s$

$t = ?$

$$S = S_1 + S_2 + S_3 = [(7-3) + (7-(-1))] + [0-(-11)] h_k$$

$$S = (4 + 8 + 1) h_k = 13 h_k = 13 \cdot 3 m = 39 m$$

$$t = \frac{S}{V_{AS}} = \frac{39}{3} = 13 \text{ m.sn}$$

NOT= Sorunun Cevab Şıkları YANLIŞ

SR-11

$$S_{ilk} = -200m = S_{Başlangıç} = S_1, \quad S_2 = V_2 \cdot t_2$$

$$V_2 = 6m/s$$

$$t_2 = 30sn$$

$$S_{son} = S_{ilk} + S_2 = -200 + 6 \cdot 30 = -200 + 180 = -20$$

$$\boxed{S_{son} = -20m}$$

Konum

Denizin altında  
20m derinlikte

SR-12

$$P = (-3), 4 + (0, 2) \cdot (4, 1) = -12 + 4 = -8 \text{ puan}$$

SR-13

$$\text{Sınav Soru sayısı} = 20$$

$$\text{Doğru Cevap sayısı} = 13$$

$$\text{Yanlış cevap sayısı} = 20 - 13 = 7$$

$$\text{Doğru her bir soru} = +5 \text{ puan}$$

$$\text{Yanlış " " " " } = -2 \text{ "}$$

Sınavdan

$$\text{Alınan ders} = 13 \cdot (+5) + 7 \cdot (-2) = 65 - 14 = 51 \text{ puan}$$

Notu

2- TAM SAYI PROBLEMLERİ TESTİ

$$t_{znn} = 30dk$$

$$SR-1 \quad t_{ilk} = -5^{\circ}C \quad t_y = 5dk \quad 2^{\circ}C \text{ artıyor}$$

$$t_{son} = t_{ilk} + \Delta t = -5 + \left(\frac{30}{5}\right) \times 2 = 5 + 12 = +7^{\circ}C$$

$\Delta t \begin{cases} \nearrow + \text{ artarza} \\ \searrow - \text{ azalırsa} \end{cases}$   
C ydu Kelvin

Soru-2  $a, b = 48 \Rightarrow (a+b)_{\min} = ? = -48 - 1$   
 $= \underline{\underline{-49}}$

$a_{\min} = -48$   
 $b_{\min} = -1$

Soru-3  $a = \text{Yediği Gol Sayısı} = 61$   
 $b = \text{Attığı " " " " " " } = 46$

Average  $= a - b = ? = 61 - 46 = 15$

Soru-4  $S_{\text{Balık}} = -16m = h_{\text{Balık}}$

$S_{\text{olta}} = +3m = h_{\text{olta}}$

$S_{\text{mısina}} = S_{\text{Balık}} + S_{\text{olta}} = -16 + 3 = -13m$

Soru-5

Bir yumurtanın  
alış fiyatı = 50 kr.

$1 \text{ TL} = 100 \text{ kr}$

Yumurta Sayısı = 30 tane

Kırılan yumurta sayısı = 10 tane

Kalan yumurtaların sayısı

1 tanesinin satış fiyatı = 1 TL = 100 kr

fiyatı

Kar - Zarar Durumu = ? = Nedir.

—→ ⊖ —→ zarar  
—→ ⊕ —→ kâr

Kâr - Zarar Durumu = SATIŞ FİYATI - ALIŞ FİYATI = ~~(20 \* 100) - (30 \* 50)~~  
 $= (20 \times 100) - (30 \cdot 50) = 2000 - 1500 = 500 \text{ kr}$   
 $= \text{⊕ } 5 \text{ TL } \rightarrow \text{ kâr}$

Soru-6

Mert'in Cüzdanındaki Parası

Alacakları ↑  
= Mert'in Tüm Alacakları - Mert'in Tüm Borçları  
 $= 30 + 18 - 15 - 25 = 48 - 40 = 8 \text{ TL}$  cüzdanında kalır.

Soru-7

$2019 + 1200 = 3219$   $\begin{matrix} 12000 \rightarrow 1200 \\ 8000 \rightarrow 800 \end{matrix}$  alınacak

cüzdanında kalır

Soru-8

$S_{\text{son}} = -21 + 7 - 11 = 7 - 32 = -25 \text{ M}$  son durumu

SDRU-9

A)  $-8 - (+8) = -8 - 8 = -16 \rightarrow D$

B)  $3 - (-5) = 3 + 5 = 8 \rightarrow \textcircled{Y}$

C)  $-8 + 3 = -5 \rightarrow D$

D)  $-5 - (+8) = -5 - 8 = -13 \rightarrow D$

SORU-10

AYŞENİN ALDIĞI

TOPLAM PUAN =

$$= (3 \cdot 4) + (-1 \cdot 2) + (-5 \cdot 3) + (+7 \cdot 2) \cdot 4$$

$$= 12 - 2 - 15 + 14 \cdot 4$$

$$= 12 - 2 - 15 + 56$$

$$= 51$$

$$= (7 \cdot 4) + [3 \cdot (-5)] + (-1 \cdot 2) = 28 - 15 - 2$$

$$= 28 - 17 = 11$$

Elin

SR-11

$$T = 5 - (5000 : 100) \times 1 = 5 - 50 = -45 \text{ c}^0$$

SR-12

$$K = H = -2 + 6 - 1 = -3 + 6 = +3 \text{ Kct}$$

RASYONEL SAYILARIN KAZANIM TARAMA TESTİ

SDRU-1

$$\frac{1}{2} + \frac{A}{18} + \frac{4}{9} = \frac{4}{3} \quad \left. \begin{array}{l} \text{ise} \\ \Rightarrow \end{array} \right\} A = ?$$

$$\frac{1}{2} + \frac{A}{18} + \frac{4}{9} = \frac{4}{3} \quad \Rightarrow \quad \begin{array}{l} 9 + A + 8 = 24 \\ A + 17 = 24 \end{array}$$

$$\boxed{A = 7}$$

SR-2

$$C = a + b + c = 2\frac{1}{3} + \frac{9}{4} + \frac{11}{2} = 2\frac{1}{3} + 2\frac{1}{4} + 5\frac{1}{2}$$

$$C = 2\frac{4}{12} + 2\frac{3}{12} + 5\frac{6}{12} = 9\frac{13}{12} = 9\frac{12}{12} + \frac{1}{12} = 10\frac{1}{12}$$

SR-3

$$A = \frac{11}{4} + 1\frac{1}{2} = \frac{11}{4} + 1\frac{2}{4} = \frac{11}{4} + \frac{6}{4} = \frac{17}{4} = 4\frac{1}{4}$$

$$B = \frac{7}{8} - \left( \frac{1}{3} + \frac{1}{6} \right) = \frac{21}{24} - \left( \frac{8+4}{24} \right) = \frac{21-12}{24} = \frac{9}{24} = \frac{3}{8}$$

$$C = 3\frac{1}{4} - 2\frac{1}{6} = 3\frac{3}{12} - 2\frac{2}{12} = 1\frac{1}{12}$$

$$\boxed{B < C < A}$$



$$SR-4 \quad A = 2,4 + 0,5 - 1\frac{1}{2} = ?$$

$$A = \frac{24}{10} + \frac{5}{10} - \frac{15}{10} = \frac{29-15}{10} = \frac{14}{10} = \frac{7}{5} = 1\frac{2}{5}$$

$$SR-5 \quad A = \frac{4}{9} \cdot \frac{12}{10} : \frac{2}{5} = ?$$

$$A = \frac{4}{\cancel{9}_3} \cdot \frac{\cancel{12}^6}{\cancel{10}_2} \times \frac{5}{2} = \frac{4 \cdot 6}{3 \cdot 2} = \frac{4}{1} = 4$$

$$SR-6 \quad A = \frac{21}{8} : \left( \frac{3}{2} + \frac{1}{4} \right) = \frac{21}{8} : \left( \frac{6+1}{4} \right) = \frac{21}{8} : \frac{7}{4} = \frac{21}{8} \times \frac{4}{7} = \frac{3}{2}$$

$$SR-7 \quad A) \quad \frac{8}{5} \times \frac{22}{3} - \frac{44}{3} \notin \mathbb{N}$$

$$B) \quad \frac{8}{8} \cdot \left( -\frac{25}{3} \right) = -\frac{20}{3} \notin \mathbb{N}$$

$$C) \quad \frac{8}{8} \cdot \left( -\frac{30}{4} \right) = -12 \notin \mathbb{N}$$

$$D) \quad \frac{8}{8} \cdot \frac{183}{183} = 1 \in \mathbb{N} \rightarrow \text{Doğru cevap}$$

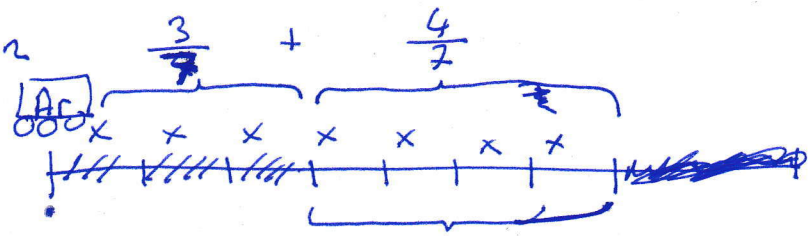
$$SR-8 \quad A = \frac{3 + \frac{1}{3}}{3 - \frac{1}{3}} = ? \quad A = \frac{3 + \frac{1}{3}}{3 - \frac{1}{3}} = \frac{\frac{10}{3}}{\frac{8}{3}} = \frac{10}{8} = \frac{5}{4}$$

$$SR-9 \quad ZBDS = 30 \times \frac{2}{8} = \frac{12}{1}$$

$$SR-10 \quad AÖYK = \frac{2}{3} \times \frac{1}{6} = \frac{2}{3} \times \frac{1}{6} = \frac{1}{9}$$

$$SR-10 \quad A = \frac{\left(-\frac{1}{2}\right)^2 + \left(\frac{3}{4}\right)}{\left(\frac{1}{2}\right)^2 : \left(-\frac{1}{2}\right)^3} = \frac{-\frac{1}{4} + \frac{3}{4}}{\frac{1}{4} \cdot \left(-\frac{8}{1}\right)} = \frac{-1}{-2} = \frac{1}{2}$$

SR-12



$$4x = 36$$

$$x = \frac{36}{4} = 9$$

$$x = 9m$$

$$S = 7x$$

$$S = 7 \cdot 9$$

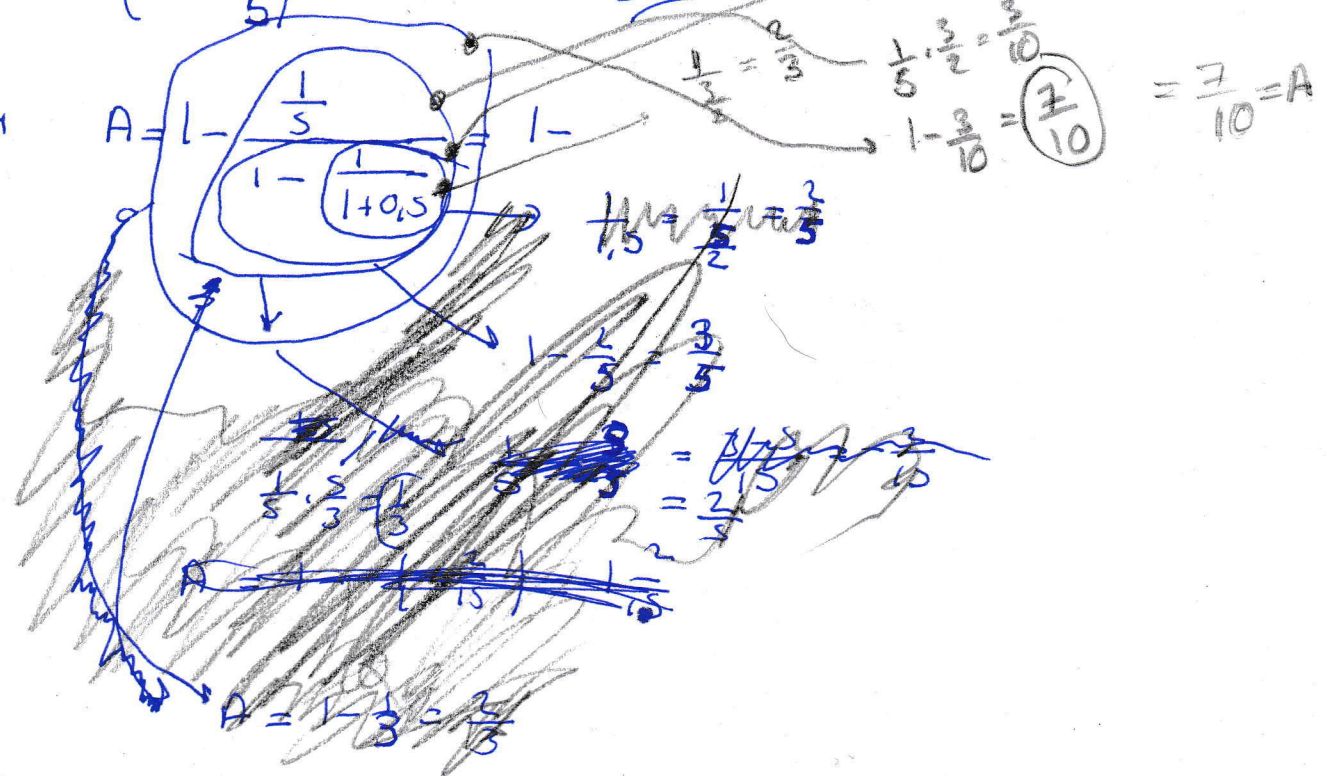
$$S = 63m$$

$$\begin{array}{r} 27 \\ \times 18 \\ \hline 216 \\ 27 \\ \hline 484 \end{array}$$

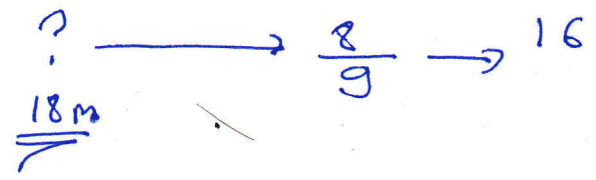
SR-13

$$(45 \times \frac{3}{5}) \times 18 = 27 \cdot 18 = 486$$

SR-14



SR-15



SR-16

$$k \cdot k = b = 2 \frac{2}{5} = \frac{12}{5}$$

$$u \cdot k = a = 4 \frac{4}{5} = \frac{24}{5}$$

$$A = k \cdot G$$

$$k = \frac{A}{G} = \frac{ab}{2(ab)} = \frac{12 \cdot 24}{2 \cdot 36} = \frac{288}{72} = 4$$

## - RASYONEL SAYI PROBLEMLERİ

$$\text{SR-1} \quad \text{GHYTY} = 2 \frac{1}{4} + 3 \frac{1}{2} = 2 \frac{1}{4} + 3 \frac{2}{4} = 5 \frac{3}{4} = \frac{23}{4}$$

$$\text{SR-2} \quad \frac{3}{3} - \frac{2}{3} = \frac{1}{3} \quad ? \longrightarrow \frac{1}{3} \longrightarrow 84$$

$$? = 84 \cdot 3 = 252$$

$$\text{SR-3} \quad \overset{72}{360} \cdot \frac{3}{8} = 216$$

$$? = 360 - 216 = 100 + 44 = 144$$

$$\text{SR-4} \quad ? \longrightarrow \frac{1}{8} \longrightarrow 8 \times 0,75 = 8 \cdot \frac{3}{4} = 6$$

$$? = 6 \cdot 8 = 48 \text{ TL}$$

SR-5

$$\frac{5}{5} - \frac{2}{5} = \frac{3}{5} \quad \left. \begin{array}{l} \frac{3}{5} - \frac{1}{3} = \frac{2}{3} \\ \frac{5}{5} - \frac{2}{5} = \frac{3}{5} \end{array} \right\} \frac{3}{5} \cdot \frac{2}{3} = \left( \frac{2}{5} \right)$$

SR-6

$$\frac{3}{3} - \frac{1}{3} = \frac{2}{3} \quad \left. \begin{array}{l} \frac{2}{3} - \frac{1}{3} = \frac{1}{3} \\ \frac{5}{5} - \frac{2}{5} = \frac{3}{5} \end{array} \right\} \frac{2}{3} \cdot \frac{3}{5} = \left( \frac{2}{5} \right)$$

SR-7

$$? \longrightarrow \frac{3}{8} \longrightarrow \frac{75}{2}$$

$$? = \frac{75}{2} \cdot \frac{3}{8} = \frac{75^2}{2} \cdot \frac{3^4}{8} = 10074$$

SR-8

$$\frac{15}{15} - \frac{4}{15} = \frac{11}{15} \quad ? = 108 \cdot \frac{8}{9} \cdot \frac{11}{15} = \frac{44}{3}$$



SR-9  $\frac{1}{4} + \frac{2}{5} = \frac{5.1 + 2.4}{20} = \frac{13}{20}$  ,  $\frac{20}{20} - \frac{13}{20} = \frac{7}{20}$   
 (S) (4)

?  $\rightarrow \frac{7}{20} \rightarrow 14$

? =  $14 \div \frac{7}{20} = \frac{14}{1} \cdot \frac{20}{7} = 40 \text{ gün}$

SR-10  $x = h = \text{ilk bıraktığı yükseklik}$   
 $(\frac{2}{3})^2 x = 8 \text{ m}$

$x = 8 \cdot \frac{9}{4} = 2 \cdot 9 = 18 \text{ m}$

44  
84



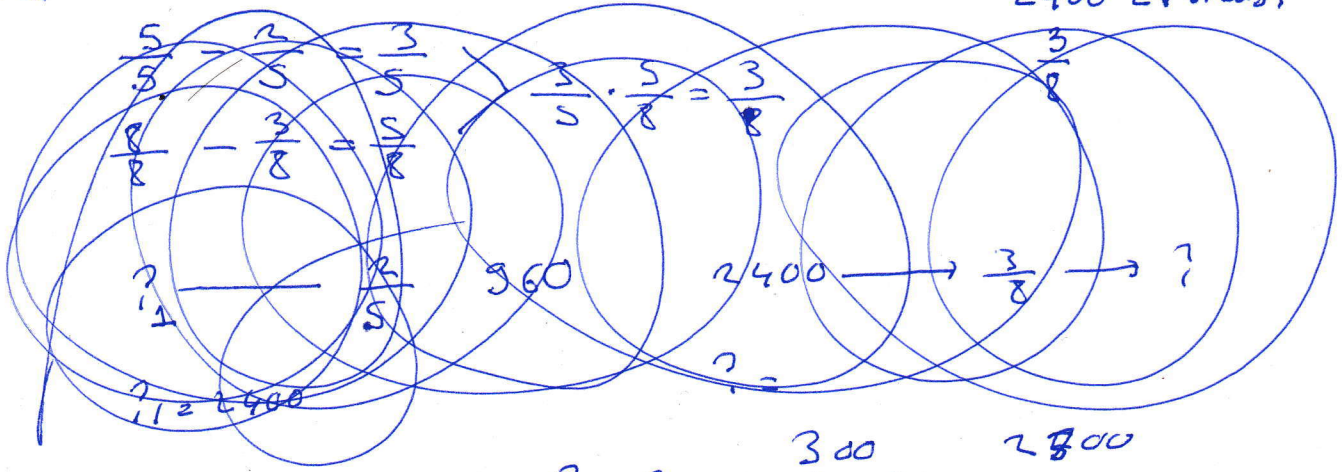
Pazartesi - 1  
 Salı - 2  
 Çarşamba 3 gün

$n=3$  3 gün

3.	1 gün	36
	2 gün	$36 + \frac{36}{6} = 42$
	3 gün	$42 + \frac{42}{6} = 42 + 7 = 49$

SR-12

Paramin term  
2400 EV kredisi



$\frac{3}{5}$	$\frac{3}{8}$	300	2800
$\frac{3}{5}$	$\frac{3}{8}$	2400	45
			540

SR-12  $\frac{5}{5} - \frac{2}{5} = \frac{3}{5}$   $\xrightarrow{2400}$   $\frac{3}{5} \frac{3}{8} \rightarrow ? \text{ OK?}$

?  $\xrightarrow{\frac{2}{5}}$  960  $\quad ? = \frac{2400 \cdot 3 \cdot 3}{8 \cdot 8} = 540$

PTMH<sub>2</sub> = 2400

SR-14

SINIF	E	K
G	$a=2x$	$c=3x=?$
G <sub>2</sub>	b	d

$$a+c=125$$

$$2x+3x=125$$

$$5x=125$$

$$x=25$$

$$? = c = 3x$$

$$c = 3 \cdot 25$$

$$c = 75$$

⇒

$$y = 500$$

$$G \rightarrow a+c = \frac{1}{4} \cdot 500 = 125$$

$$a+c=125$$

$$a=2x, c=3x$$

$$\frac{3}{5}(a+c) = c$$

$$3(a+c) = 5c$$

$$3a+3c = 5c$$

$$3a = 2c$$

$$\downarrow \quad \downarrow$$

$$2x \quad 3x$$

SR-15

$$P = x$$

$$\text{Kabuk} = \frac{x}{8}$$

$$\text{Ici} = \frac{7x}{8}$$

$$x = 2000 \text{ gr} = 2 \text{ kg}$$

$$? = \frac{7}{8} \cdot 2 = \frac{14}{8} = \frac{14 \cdot 125}{8 \cdot 125} = \frac{1750}{100} = 1,75 \text{ kg}$$

} ⇒ 2000 kg Portakal içi = ?

$$\begin{array}{r} 125 \\ \times 14 \\ \hline 1750 \end{array}$$

SR-16

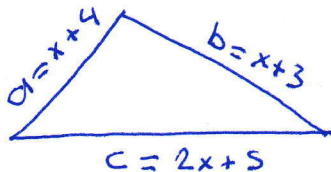
$$\frac{g}{g} - \frac{2}{g} = \frac{7}{g}$$

$$? \rightarrow \frac{7}{g} \rightarrow 5.560 = 2800$$

$$? = 2800 : \frac{7}{g} = 2800 \cdot \frac{g}{7} = 3600 \text{ TL}$$

CEBİRSEL İFADELERİN KAZANIM TARAMA TESTİ

SR-1



$$G = a+b+c = (x+4) + (x+3) + (2x+5)$$

$$G = 4x + 12$$

SR-2

$$A = (11x-9) + (-5x) = (11x-5x) + (-9) = 6x-9$$

SR-3

$$A = 3a+3-2a-5 = ? = (3a-2a) + (+3-5) = a-2$$