Denklem Gözme | Test 2

Soru 1) $\frac{x+1}{x-1} \neq \frac{2}{3}$ $x=?$

$3x+3 = 2x-2$

$x = -5$

Cevap: D

Denklem Gözme | Test 2

Soru 5) $x+y=5$, $x-y=3$ $x.y=?$

$+$

$2x = 8$

$\boxed{x=4}$

$\boxed{y=1}$

$4.1=4$

Cevap: B

Denklem Gözme | Test 2

Soru 2) $\frac{-1-a(3a-2(1+a))}{-3a+2(3+2a)-7} = \frac{4}{5}$ $a=?$

$\frac{-1-a(3a-2-2a)}{-3a+6+4a-7} = \frac{4}{5}$

$\frac{-1-a^2+2a}{a-1} = \frac{4}{5} \rightarrow \frac{-(a-1)^2}{a-1} = \frac{4}{5}$

$-a+1 = \frac{4}{5}$ $\boxed{a=\frac{1}{5}}$

Cevap: C

Denklem Gözme | Test 2

Soru 6) $2x+y=3$, $4x-y=-9$ $y=?$

$+$

$6x = -6$

$\boxed{x=-1}$

$\boxed{y=5}$

Cevap: E

Denklem Gözme | Test 2

Soru 3) $2a+b+c=5$, $a+b+2c=1$ $3a+2b+3c=?$

$+$

$3a+2b+3c=6$ //

Cevap: C

Denklem Gözme | Test 2

Soru 7) $x+y-z=7$, $x+y+z=11$ $z=?$

$-$

$-2z = -4$

$\boxed{z=2}$

Cevap: B

Denklem Gözme | Test 2

Soru 4) $2x+y-3z=5$, $x-y+3z=4$ $x=?$

$+$

$3x = 9$

$\boxed{x=3}$

Cevap: C

Denklem Gözme | Test 2

Soru 8) $a+b+c=5$, $-b-c-d=3$, $a+d=6$ $a=?$

$+$

$2a = 14$

$\boxed{a=7}$

Cevap: B

Denklem Çözme I Test 2

Soru 9) $A+B=7$, $B+C=9$, $C+D=13$, $A+D=?$

$A+B=7$
$-\ B+C=9$
$A-C=-2$

$A-C=-2$
$+\ C+D=13$
$A+D=11$

Cevap: E

Denklem Çözme I Test 2

Soru 13) $a.b=6$, $a.c=8$, $b.c=12$, $a+b+c=?$

$a=2$
$b=3$
$c=4$

$2+3+4=9$

Cevap: A

Denklem Çözme I Test 2

Soru 10) $x+2y=4$, $3x-y=2$ (×2), $\frac{x}{y}=?$

$x+2y=4$
$+\ 6x-2y=4$
$7x=8$

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

$y=\frac{20}{14}$

$\frac{8}{7}$ / $\frac{20}{14}$

$=\frac{8}{7}\cdot\frac{14}{20}=\frac{16}{20}=\frac{4}{5}$ //

Cevap: B

Denklem Çözme I Test 2

Soru 14) $a.b.c=2$, $a+\frac{1}{b.c}=6$, $a=?$

$\frac{a.b.c+1}{b.c}=6$

$\frac{2+1}{b.c}=6$

$\frac{3}{6}=b.c$

$\frac{1}{2}=b.c$

$a.\frac{1}{2}=2$

$a=4$

Cevap: C

Denklem Çözme I Test 2

Soru 11) $3a-3b+4c=7$, $2a-6b+8c=2$, $a=?$

$-2(3a-3b+4c)=7$
$2a-6b+8c=2$

$-6a+6b-8c=-14$
$+\ 2a-6b+8c=2$
$-4a=-12$

$a=3$

Cevap: A

Denklem Çözme I Test 2

Soru 15) $\frac{1}{x}+\frac{1}{y}=\frac{3}{5}$, $y=2x$

$y=2.\frac{5}{2} \Rightarrow y=5$

$\frac{1}{x}+\frac{1}{2x}=\frac{3}{5}$

(2)

$\frac{2+1}{2x}=\frac{3}{5} \Rightarrow \frac{3}{2x}=\frac{3}{5}$

$2x=5$

$x=\frac{5}{2}$

Cevap: E

Denklem Çözme I Test 2

Soru 12) $1-\frac{1-\frac{1-\frac{x}{2}}{2}}{2}=0$

1

$\frac{1-\frac{x}{2}}{2}=1$

$1-\frac{1-\frac{x}{2}}{2}=2$

$-1=\frac{1-\frac{x}{2}}{2}$

$1-\frac{x}{2}=-2$

$3=\frac{x}{2}$

$x=6$

Cevap: E

Denklem Çözme I Test 2

Soru 16) $\frac{1}{x+a}-\frac{1}{x+2}=1$

$x=2$ için

$\frac{1}{2+a}-\frac{1}{4}=1$

$\frac{1}{2+a}=1+\frac{1}{4}$

$\frac{1}{2+a}=\frac{5}{4} \Rightarrow 4=10+5a$

$-6=5a$

$a=-\frac{6}{5}$

Cevap: A