

1. $3 \xrightarrow{.2} 6 \xrightarrow{.4} 24 \xrightarrow{.6} 144 \xrightarrow{.8} 1152 \xrightarrow{.10} 11520$

Cevap: D

2. $0 \xrightarrow{2} 2 \xrightarrow{6} 8 \xrightarrow{14} 22 \xrightarrow{30} 52 \xrightarrow{62} 114 \xrightarrow{126} 240 \xrightarrow{x}$

$$2.2 + 2 = 6 + 2 = 8$$

$$6.2 + 2 = 14 + 8 = 22$$

$$14.2 + 2 = 30 + 22 = 52$$

$$30.2 + 2 = 62 + 52 = 114$$

$$62.2 + 2 = 126 + 114 = 240$$

$$x = 126.2 + 2 = 254 + 240 = 494 \text{ bulunur.}$$

Cevap: A

3. $2 \rightarrow 7 \rightarrow 22 \rightarrow 67 \rightarrow ?$

3 katının 1 fazlası

$$2.3 + 1 =$$

$$7.3 + 1 = 22$$

$$22.3 + 1 = 67$$

$$67.3 + 1 = 202$$

Cevap: D

4. $2 \xrightarrow{7} 9 \xrightarrow{10} 19 \xrightarrow{13} 32 \xrightarrow{16} 48 \xrightarrow{19} 67 \xrightarrow{22} 89$

Cevap: C

5. 17, 25, 32, 37, 47, 58, x, 79
sayı + (sayının rakamları toplamı)

$$17 + (1 + 7) = 25$$

$$25 + (2 + 5) = 32$$

$$\vdots \quad \vdots \quad \vdots$$

$$x = 58 + (5 + 8) = 71 \text{ bulunur.}$$

Cevap: C

6.

1	4	7	10	13	...	x
1.	2.	3.	4.	5.	...	70.

terim sayısının 2 katına, terim sayısının 2 eksiği ekleniyor.

$$1.2 - 1 = 1, \quad 2.2 - 0 = 4, \quad 3.2 + 1 = 7...$$

$$x = 70.2 + 68 = 140 + 68 = 208 \text{ bulunur.}$$

Cevap: C

TASARI EĞİTİM YAYINLARI

7. 2, 9, 28, 76, 192, 464

Farkın 4 katı

$$(9 - 2).4 = 28$$

$$(28 - 9).4 = 76$$

$$(76 - 28).4 = 192$$

$$(192 - 76).4 = 464$$

Cevap: A

8. $6 \xrightarrow{2^0} 7 \xrightarrow{2^2} 11 \xrightarrow{2^4} 27 \xrightarrow{2^6} 91 \xrightarrow{2^8} ?$

$$6 + 2^0 = 6 + 1 = 7$$

$$7 + 2^2 = 7 + 4 = 11$$

$$11 + 2^4 = 11 + 16 = 27$$

$$27 + 2^6 = 27 + 64 = 91$$

$$91 + 2^8 = 91 + 256 = 317$$

Cevap: D

9. $3 \xrightarrow{+2} 5 \xrightarrow{.2} 10 \xrightarrow{+3} 13 \xrightarrow{.3} 39 \xrightarrow{+4} 43 \xrightarrow{.4} 172 \xrightarrow{+5} x \xrightarrow{.5} 885$

$x = 172 + 5 = 177$ bulunur.

Cevap: E

10. $8 \xrightarrow{2^0 \cdot 13} 21 \xrightarrow{2^1 \cdot 13} 47 \xrightarrow{2^2 \cdot 13} 99 \xrightarrow{2^3 \cdot 13} 203 \xrightarrow{2^4 \cdot 13} x$
 $13 \xrightarrow{2^0} 26 \xrightarrow{2^1} 52 \xrightarrow{2^2} 104$

$x = 203 + 2^4 \cdot 13 = 203 + 208 = 411$

Cevap: C

11. 0, 1, 2, 6, 16, 44, x

sol iki sayının toplamının iki katı

$(0 + 1) \cdot 2 = 2$

$(1 + 2) \cdot 2 = 6$

$(2 + 6) \cdot 2 = 16$

$(6 + 16) \cdot 2 = 44$

$x = (16 + 44) \cdot 2 = 120$ bulunur.

Cevap: B

12. $5 \xrightarrow{2^0=1} 6 \xrightarrow{3^0=1} 5 \xrightarrow{2^1=2} 6 \xrightarrow{3^1=3} 10 \xrightarrow{2^2=4} 18 \xrightarrow{3^2=9} 40 \xrightarrow{2^3=8} 162$

$18 \cdot 9 = 162$

Cevap: D

13. $1 \xrightarrow{2} 3 \xrightarrow{4} 7 \xrightarrow{6} 13 \xrightarrow{8} 21 \xrightarrow{10} 31 \xrightarrow{12} 43 \xrightarrow{14} x \xrightarrow{16} 99$
 $99 \cdot 2 = 198$

O halde 100. sayımız

$2 + 4 + 6 + \dots + 198 = n \cdot (n + 1) = 99 \cdot 100$

\downarrow
 $2n = 198$

$n = 99$

$x = a_1 + 9900$

$x = 1 + 9900 = 9901$

Cevap: C

Cevap: C

14. $2 \xrightarrow{2 \cdot 2 + 1} 4 \xrightarrow{4 \cdot 3 + 1} 13 \xrightarrow{5 \cdot 4 + 1} 21 \xrightarrow{11 \cdot 11 + 1} 121$
 $4 \xrightarrow{4 \cdot 3 + 1} 13 \xrightarrow{13 \cdot 11 + 1} 143$

Cevap: A

15. $3 \xrightarrow{+3} 6 \xrightarrow{+6} 12 \xrightarrow{+3} 15 \xrightarrow{+6} 21 \xrightarrow{+3} 24 \xrightarrow{+6} x \xrightarrow{+3} 33 \xrightarrow{+6} 39$

$x = 24 + 6 = 30$ bulunur.

Cevap: D

16. $1 \xrightarrow{3^0=1} 2 \xrightarrow{3^1=3} 5 \xrightarrow{3^2=9} 14 \xrightarrow{3^3=27} 41 \xrightarrow{3^4=81} x$

$x = 41 + 81 = 122$ bulunur.

Cevap: E

17. 1, 5, 19, 65, 211, x

$$(5 - 1).5 = 20 - 1 = 19$$

$$(19 - 5).5 = 70 - 5 = 65$$

$$(65 - 19).5 = 230 - 19 = 211$$

O halde

$$(211 - 65).5 = 730 - 65 = 665$$

Cevap: D

18. 1 4 12 32 80 x

Ardışık iki sayının farkının 4 katı

$$(4 - 1).4 = 12$$

$$(12 - 4).4 = 32$$

$$(32 - 12).4 = 80$$

$$(80 - 32).4 = 192$$

Cevap: E

19. 2 9 30 93 282 x

$$\bullet (9 - 2).4 + 2 = 30$$

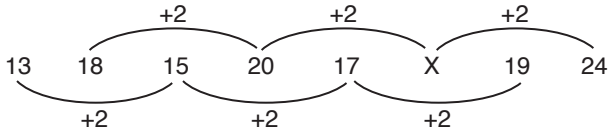
$$\bullet (30 - 9).4 + 9 = 93$$

$$\bullet (93 - 30).4 + 30 = 282$$

$$x = (282 - 93).4 + 93 = 849$$

Cevap: D

20.



$$X = 20 + 2 = 22 \text{ bulunur.}$$

Cevap: D