OTBeTu u pemeoxe — QeMoBepc » Em 2018 HH&OPMATIIKA x IIKT npoeKT It appears that your browser does not support our web PDF viewer. You can download the PDF to view

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#### Ozaezai u peiueiiiie - QeMoaepcii» sra 2o18 uHeOPMATHKA ii HKT npoexz

1) 2A16< X< 61g

2Ai6' ). 16+ 10.1=42

6 8' 6.8+ 1.1=49

**42<x<49**

43,44,45,46,47,48

OTBeT: 6

2) =x-Fy-F(=z.w)

x z w y

OTBeT: xzwy

3) A — H3

r —ns

#### M3- M5 = 6

OTBeT: 6

##### 4) 23(1968) — 42(1941) = 27

24(1993) — 73(1967) = 26

33(1987) — 32(1960) = 27

44(1990) — 32(1960) = 30

52(1995) — 73(1967) = 28

OTBeT: 5



0

##### 0

A 0 1

E H

1

0

0 1 0 1

y 0 l 0 1 0

P T fl K

Ответ: 1100

6) R>83

84=10101

85=101011

86=1010110

Ответ: 86

7)

=$СЗ +С$З= 300 + 300= 600

Ответ: 600

8) 260/15 = 17,3 =» 18.2 = 36

Ответ: 36

9) (320.21'.2')/(640.480) = 8

28=156

Ответ: 256

10)

=$C2 +D$3

### Е 0

0

2001—2000

2001 = 2.5'+0+ 0 +1 = 251

##### Ответ: 251

11) F9 — F6 — F3 — F1 — F2 — F3 — F1

F6

F3 F1

Ответ: 9631231

##### 57

255 (8)

57

F9

F2

179

255 (8)

179

##### F3 F1

208 27

##### 0

192 0

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 208 |
| 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 192 |

##### 8+8+3 = 19

Ответ: 19

13) 2 > 26 = > N= 5 бит

10 символ = > 5.10 = 50 бит

##### 50 / 8 = 7 байт

50 пользователей => 50.7 = 350 байт

Ответ: 350

14) 4+N.(a+4)-28 = 0

##### N.(a+4) = 24

6+N.(b-6)-22 = 0

N.(b-6) = 16

НОД(24, 16) = 8

##### Ответ: 8



Е L

Щl0

20

16) 49' 0 + 7' 0 49

7' 0 + 7' 0 7'

10000...0000 7" — 30 нулей

100... 000 7' 0 20 нулей

100..100... 000

##### 100 7'— 2 нулей

.06666...66600 18 «6» содержится

##### Ответ: 18

17)



a+x=22

b+x+12=40 = > b+х=28 a+x+b+ 12+ 12=66 a+x+b=42 => a=42-28= 14 a+x=22 => a=22-14 = 8

Ответ: 8

18) x>9 + x.x<A => Aa81

y.y>A + y<9 => при y=10, 100>A = > A=99

Ответ: 99

19)

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##### Ответ: 5

20) L(Сумма нечетных цифр)=5 М(Сумма цифр)=7

1 — 2 — 4 — 9 — 19 — 39 — 79

Ответ: 79

21) 2(x-1)'+27

при x=1, y=27 1+27=28

Ответ: 28

22)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 3 | 4 | 5 | б | 7 | 8 | 9 | 10 | 11 | 12 |
| l | l | 2 | 3 | б | 9 | 15 | 15 | 30 | 30 | 60 |

Ответ: 60

23) (=x1 +y1) (=x2.y2) = 1

=(=x1+y1) + (=x2.y2) = 1 (xl.=y1) + (=x2.y2) = 1

X1

0

## x1y1



01

10

11

y1

0

0

x2y2

00

01

10

11

x2 y2

0



0



0

0

##### 0

0



x1y1

##### 00

01

10

x2y2 хЗуЗ

 

##### 7

 

x4y4 1

10

1

x5y5 хбуб

 

 lб

 

x7y7



19



1 1 i 1 1 i

22

Ответ: 22