

HASIL PEKERJAAN SUBJEK A

I

Pendidikan Matematika

Jumat

No.: 15 Maret 2019

1. 41 bilangan asli bersisa 3 jika dibagi 7

bersisa 4 jika dibagi 5

Bersisa 3 jika dibagi 7

Bersisa 4 jika dibagi 5

7	10	5	9
14	17	10	14
21	24	15	19
28	31	20	24
35	38	25	29
42	45	30	34
49	52	35	39
56	59	40	44
63	66	45	49
		50	54
		55	59

41 terkecil = 24

3. misalkan jumlah komputer = a

jumlah siswa = b

$$\frac{b-2}{2} = a$$

$$\frac{b}{3} = a-2$$

$$b = 3(a-2)$$

$$= 3a - 6$$

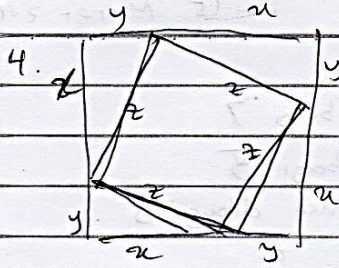
$$\frac{b-2}{2} = a$$

$$\frac{(3a-6)-2}{2} = a$$

$$3a - 8 = 2a$$

$$a = 8$$

Jumlah komputer = 8



$$x > y$$

$$z^2 = x^2 + y^2$$

$$z^2 (\text{Luas } \square \text{ kecil}) = 4 \cdot (x + y)^2$$

$$z^2 = 4(x^2 + y^2 + 2xy)$$

$$z^2 = 4(z^2 + 2xy)$$

$$5z^2 = 4z^2 + 8xy$$

$$z^2 = 8xy$$

$$x^2 + y^2 = 8xy$$

$$xy = \frac{x^2 + y^2}{8} = \frac{z^2}{8}$$

$$= \frac{1}{8} \text{ Luas } \square \text{ kecil}$$

Gererson BARS Demotan
13118002

Penelitian Matematika

No.:

$$5. \text{ Rata-rata } : \frac{u_{15}}{15} = 12, \quad S_m \neq S_n$$

Untuk mendapat S terbesar maka

$u_{n-1} = S_1 + S_2 + \dots + S_{n-1}$ merupakan bilangan
asli terkecil (1-14)

$$u_n = \frac{n}{2} (S_1 + S_n - b)$$

$$u_{14} = \frac{14}{2} (1 + 14 \cdot 1) \\ = 105$$

$$\frac{u_{14} + S_{15}}{15} = 12$$

$$u_{14} + S_{15} = 180$$

$$S_{15} = 180 - u_{14}$$

$$= 180 - 105$$

$$= 75$$

6. Pengambilan 2 kartu

$$\% \text{ sembarang kartu} = 52.5$$

$$\% \text{ kartu merah} = 26.25$$

$$\% \text{ kartu merah } \text{bukan } \text{As} = 24.23$$

$$\% \text{ kartu}$$