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1. a) jika $n=1$

$$3^{2n} + 22n + 2 \quad \text{Harus dibagi 5}$$

$$= 3^{2 \cdot 1} + 22 \cdot 1 + 2$$

$$= 9 + 22 + 2 = 33 \quad \text{tidak terbelah}$$

$$b) \frac{n}{2} \cdot 2 = - \frac{(-2+n+2)}{2A} \cdot 1$$

$$n=2 = \frac{2}{2} \cdot 1 = - \frac{(-2+2+2)}{2 \cdot 2} \cdot 1$$

$$n = 1 \cdot \frac{1}{2} = - \frac{(-2+1+2)}{2} \cdot 1$$

$$\frac{2}{4} = - \frac{(-2+2+2)}{4} \cdot 1$$

$$\frac{1}{2} = - \frac{(-2+3/2)}{2}$$

$$\frac{1}{2} = - \frac{(-2+2+2)}{4}$$

$$\frac{1}{2} = - \frac{(1+3)}{2}$$

$$\frac{1}{2} = - \frac{(2+2)}{4}$$

$$\frac{1}{2} = - \frac{(1+1/2)}{2}$$

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

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

c) Jika $P(n)$ a) $(1^3 + 2^3 + 3^3 + 4^3 + \dots + n^3 = \frac{n^2(n+1)^2}{4})$

$$P(1) = \frac{1^2(1+1)^2}{4}$$

$$= \frac{1}{4} = 0,25 //$$

2) $(n+1)!$

$$\frac{(n+1-3)!}{(n+1)!} = \frac{n!}{(n+1)!} = \frac{1}{n+1}$$

$$\frac{(n+1)!}{(n-2)!} = \frac{n!}{(n-2)!} = \frac{1}{(n-2)!}$$

$$\frac{(n+1)!}{n!} = \frac{(n-2)!}{(n-2)!} = 1$$

$$n+1 = (n-2)(n-3)$$

$$n^2 - 5n + 6 = 0$$

$$(n-2)(n-3) = 0$$

$$n=2 \quad n=3 \quad (TM)$$

Jaya pura dan Matematika

3A permutasi nya. $P(8,3) = \frac{8!}{3!} = 6.720$

2M, 3A, dan 2T

$$P = (10, 2, 3, 2) = \frac{10!}{2! 3! 2!} = 151.200$$

(C) $P! / (n-5)! = 10 \cdot P! / (n-4)!$

$$10 \cdot (n-5)! = (n-4)!$$

$$10 \cdot \cancel{(n-5)!} = (n-4)! \cdot \cancel{(n-5)!}$$

$$10 = n-4$$

$$14 = n //$$