

Pembahasan Latihan Soal

Tes Potensi Akademik



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Latihan TPA Memuat materi :

- 1) Kemampuan Verbal
- 2) Kemampuan Kuantitatif
- 3) Kemampuan Logika
- 4) Kemampuan Penalaran

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Untuk Persiapan Ujian Tulis

[Sbmptn 2018](http://ujiantulis.com)

Oleh Team [UjianTulis.com](http://ujiantulis.com)

2

Pembahasan TPA

Disusun oleh : Team ujiantulis.com

1 Jawab: D

2 Jawab: D

3 Jawab: D

4 Jawab: D

5 Jawab: E

6 Jawab: D

7 Jawab: C

8 Jawab: E

9 Jawab: E

$$\bullet \frac{x}{y} = \frac{1}{9} \Leftrightarrow y = 9x$$

$$\bullet x + y = 100$$

$$x + 9x = 100$$

$$10x = 100$$

$$x = 10$$

$$y = 9x = 90$$

$$y - x = 90 - 10 = 80$$

10 Jawab: D

$$\bullet b = \frac{16,67}{100} \cdot 48 = \frac{1}{6} \cdot 48 = 8$$

$$\bullet \frac{40}{100} \cdot a = b$$

$$a = \frac{100}{40} \cdot b = 2,5b = 20$$

$$a + b = 20 + 8 = 28$$

11 Jawab: C

$$\bullet \frac{5p}{q} = 5 \Leftrightarrow 5p = 5q$$

$$\bullet \frac{q}{5p - q} = \frac{q}{5q - q} = \frac{q}{4q} = \frac{1}{4} = 25\%$$

12 Jawab: B

$$\bullet \sqrt{\sqrt{\sqrt{x}}} = 2$$

$$\sqrt{\sqrt{x}} = 2^2$$

$$\sqrt{x} = 2^4$$

$$x = 2^8$$

$$\bullet \sqrt[3]{y} = 2$$

$$y = 2^3$$

$$\bullet \frac{x}{y} = \frac{2^8}{2^3} = 2^5 = 32$$

13 **Jawab: B**

$$(x+3)(x+5) - (x-4)(x-2) = 0$$

$$x^2 + 8x + 15 - x^2 + 6x - 8 = 0$$

$$14x + 7 = 0$$

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

14 **Jawab: B**

$$x < y$$

Bila x dan y pindah ruas, diperoleh:

$$-y < -x$$

15 **Jawab: E**

$$a^b a^4 = (a^4)^3$$

$$a^{b+4} = a^{12}$$

$$b + 4 = 12$$

$$b = 8$$

16 **Jawab: E**

a	B	$5a+b$
1	27	32
2	22	32
3	17	32
4	12	32
5	7	32
6	2	32
21		

17 **Jawab: C**

$$83 = \frac{85 + 76 + 80 + 92 + x}{5}$$

$$415 = 333 + x$$

$$x = 82$$

18 Jawab: D

$$x + \frac{25}{100}x = 95000$$

$$x + \frac{1}{4}x = 95000$$

$$\frac{5}{4}x = 95000$$

$$x = 76000$$

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