

**MATEMATIKA**

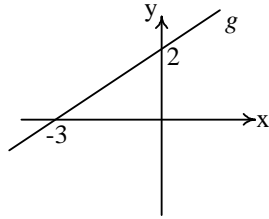
1. Suatu permainan menggunakan aturan sebagai berikut, bila menang nilai 4, seri nilai 1 dan kalah nilainya -2. Jika suatu tim menang 6 kali, seri 4 kali dan kalah 3 kali, maka total nilainya adalah ... .
  - a. 22
  - b. 26
  - c. 30
  - d. 32
  
2. Penjabaran dari  $(-3x - 2y)^2$  adalah ...
  - a.  $-9x^2 + 12xy - 4y^2$
  - b.  $9x^2 - 12xy + 4y^2$
  - c.  $9x^2 + 6xy + 4y^2$
  - d.  $9x^2 + 12xy + 4y^2$
  
3. Hasil pembagian persamaan  $(15xy + 10y^2) : 5y = \dots$  adalah ...
  - a.  $x + 3y$
  - b.  $2x + 3y$
  - c.  $3x + 2y$
  - d.  $3x + 2$
  
4. Bentuk sederhana dari  $\frac{2x^2 + 7x + 3}{4x^2 - 1}$  adalah....
  - a.  $\frac{x+3}{2x-1}$
  - b.  $\frac{2x-1}{x+3}$
  - c.  $\frac{2x+1}{x-3}$
  - d.  $\frac{x+3}{2x+1}$
  
5. Umur Epi  $\frac{3}{4}$  kali umur Pino, umur Febri  $\frac{2}{3}$  umur Epi. Jika umur Pino 7 tahun yang akan dating 71 tahun. Maka umur Febri sekarang adalah ...
  - a. 16 tahun
  - b. 22 tahun
  - c. 30 tahun
  - d. 32 tahun
  
6. Perhatikan table berikut ini.
 

x	.....	3	4	5	....
y	.....	-1	1	3	....

 Berdasarkan table di atas, untuk  $x = 10$ , nilai  $y$  adalah ...
  - a. 13
  - b. 9
  - c. 11
  - d. 7
  
7. Dalam suatu kelas terdapat 25 anak gemar melukis, 21 anak gemar menyanyi, 7 anak tidak gemar menyanyi dan melukis. Jika jumlah anak di kelas itu 40 anak, maka banyaknya anak yang gemar menyanyi dan melukis adalah ...
  - a. 11
  - b. 12
  - c. 13
  - d. 14
  
8. Perhatikan himpunan-himpunan berikut ini.  $A = \{\text{Kota Kelahiran}\}$   
 $B = \{\text{Golongan Darah}\}$   
 $C = \{\text{Bulan Kelahiran}\}$   
 Himpunan siswadi sekolahmu adalah domain suatu relasi. Agar terjadi pemetaan, maka dari ketiga himpunan diatas yang dapat menjadi kodomain adalah ...
  - a. A, B, dan C
  - b. A dan C
  - c. B dan C
  - d. A dan B
  
9. Harga 4 kg gula adalah Rp 17.000,00. Jika Dodi mempunyai uang Rp 63.750,00, maka akan mendapat gula sebanyak ... .
  - a. 14 kg
  - b. 15 kg
  - c. 16 kg
  - d. 17 kg

10. Gradien garis g pada gambar di bawah adalah ... .

- a.  $-\frac{3}{2}$
- b.  $-\frac{2}{3}$
- c.  $\frac{2}{3}$
- d.  $\frac{3}{2}$

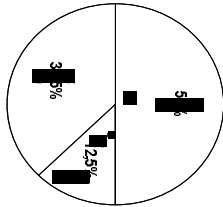


11. Nilai x yang memenuhi persamaan :

$$2(3x - \frac{1}{2}) = 3(3x + 1) \text{ adalah ... .}$$

- a.  $-\frac{4}{3}$
- b.  $-\frac{3}{4}$
- c.  $\frac{3}{4}$
- d.  $\frac{4}{3}$

12.

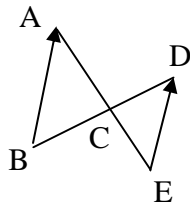


Banyak pegawai pada suatu kantor ditunjukkan diagram lingkaran diatas. Jika banyak pegawai golongan I adalah 90 orang maka banyak pegawai golongan II adalah...

- a. 180 orang
- b. 225 orang
- c. 270 orang
- d. 360 orang

13. Pada gambar di bawah diketahui  $\angle BAE = 70^\circ$  dan  $\angle BDE = 35^\circ$ . Besar  $\angle ACD$  adalah ... .

- a.  $75^\circ$
- b.  $105^\circ$
- c.  $115^\circ$
- d.  $125^\circ$



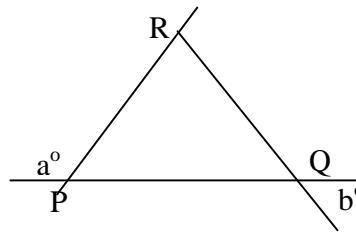
14. Sebuah peta dengan skala 1 : 500.000 akan difotokopi sebesar 120%. Jika jarak dua kota pada peta hasil foto kopi adalah 3,6 cm maka jarak kota sebenarnya adalah ...

- a. 15 km
- b. 17,5 km
- c. 18 km
- d. 21 km

15. Luas segitiga sama sisi yang panjang sisinya 10 cm adalah ... .

- a.  $25 \text{ cm}^2$
- b.  $25\sqrt{2} \text{ cm}^2$
- c.  $25\sqrt{3} \text{ cm}^2$
- d.  $50 \text{ cm}^2$

16. Perhatikan segitiga PRQ di bawah ini.

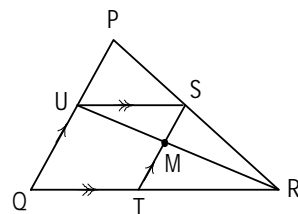


Besar sudut PRQ dinyatakan dalam a dan b adalah ...

- a.  $a^\circ - b^\circ + 180^\circ$
- b.  $a^\circ + b^\circ - 180^\circ$
- c.  $a^\circ - b^\circ$
- d.  $a^\circ + b^\circ$

17. Dari gambar  $PU = 8 \text{ cm}$ ,  $UQ = 12 \text{ cm}$ , dan  $UR = 15 \text{ cm}$ . Panjang UM adalah ...

- a. 6 cm
- b. 7 cm
- c. 8 cm
- d. 9 cm



18. Titik A dan B terletak pada lingkaran yang pusatnya di O, sehingga panjang busur AB = 44 cm. Jika besar sudut AOB =  $72^\circ$ , dan  $p =$  jari-jari, maka panjang p adalah ...

- a. 14 cm
- b. 70 cm
- c. 35 cm
- d. 28 cm

19. Panjang rusuk 2 buah kubus masing-masing 3 cm dan 9 cm. Perbandingan volum kedua kubus tersebut adalah ...

- a. 1 : 27
- b. 1 : 9
- c. 1 : 6
- d. 1 : 3

20. Sebuah kerangka balok di mana perbandingan panjang, lebar dan tingginya adalah 7 : 2 : 3. Jika panjang kawat yang digunakan untuk membuat kerangka balok adalah 192 cm maka tinggi balok adalah...

- a. 8 cm
- b. 12 cm
- c. 14 cm
- d. 18 cm

4. According to the above table, Anton goes to the movie with a friend ... a week.

- a. once
- b. twice
- c. three times
- d. four times

**Read the following letter and answer questions 5 to 7.**

Bukittinggi  
20th April 2005

Dear Ghea,

My brother and I are in Bukittinggi now. We arrived here on Sunday morning at five. It was already busy, probably because of the holidays. We went directly to the remains of "De Kock Fortress" and found a lot of people jogging along this area. We took a rest here, sitting under the tree and enjoyed at the fresh air.

It was almost 6.30. We went to a famous "warung", called "Pical si Kai". Here we had coffee, "pical", "ketupat gulai", etc. Because all hotels had been full, we rented a room in a house nearby. The room was quite nice. The bathroom was clean enough and the rent was not too expensive.

At about eight we went to "Sianok" valley. It is such a very beautiful valley. On the bank of the valley there is a long cave, called "Japanese cave". It is very long. It goes deeply into the ground with an entrance at one end, and an exit at the other end. The people here said that a long time ago the cave was used by the Japanese army to protect themselves from the Dutch attack. At that time it seemed that there was nothing in the ground. Both the entrance and the exit were covered by plants. Well that's all about our first day in Bukittinggi. We are going to visit "Lake Maninjau", "Lembah Anai Falls", etc. the next day. Hope to be here someday with you.

Please, reply soon.

Bye for now  
Indri

**BAHASA INGGRIS**

1. Filza : What about your throat now?  
Ari : I still feel a serious pain, but my mother will take me to the doctor.  
Filza : Well, ...  
Ari : Thank you.

- a. you'll be strong
- b. I hope you will be okay
- c. how happy you are
- d. that's a bad news

2. Riyan : What time will you leave for Semarang?  
Rizki : At seven o'clock.  
Riyan : Do you want me to phone a taxi?  
Rizki : .... My friend will pick me up.

- a. No, thank you
- b. Yes, please
- c. You're right
- d. That's a good idea

3. Shilni : I hear that Nadia is living in Lampung.  
Rahmat : You are right.  
Shilni : ... does she stay with?  
Rahmat : With her grandmother.

- a. How
- b. Who
- c. Whom
- d. Where

Study the following table to answer question no. 4

Anton's activities

Activities	Mon	Tue	Wed	Thu	Fri	Sat	Sun
- Swimming							√
- Playing basketball				√			√
- Going to the movie with a friend	√						
- Taking an English course			√		√		

5. Indri mostly talks about ... in the letter.

- a. Ghea's journey to Bukittinggi
- b. Indri and Ghea are in Bukittinggi
- c. some places of interest in Bukittinggi
- d. "Sianok", the very beautiful valley

6. Where did Indri go first?

- a. To a famous "warung."
- b. To Sianok valley
- c. To the Japanese Cave
- d. To the "De Kock Fortress"

7. Why did Indri stay in a house nearby?  
 a. The rent of the house was not expensive.  
 b. The bathroom there was clean enough.  
 c. They didn't have enough money to stay in a hotel.  
 d. They couldn't find any vacant rooms in the hotels.

**For questions 8 to 10, choose the suitable word to complete the paragraph.**

It was a public holiday. We did not have anything to do, so Father suggested ...(8) us to Safari Park in Cisarua. All of us got very ...(9). Mother quickly prepared some drinks and snacks for the trip. My brothers and I ...(10) got dressed and brought a camera. Within one hour, we were all ready and settled ourselves in the car.

8. a. bringing  
 b. getting  
 c. telling  
 d. keeping
9. a. excited  
 b. annoyed  
 c. dissatisfied

- d. upset
10. a. lazily  
 b. hurriedly  
 c. slowly  
 d. diligently

11. Rearrange the sentences below to make a coherent paragraph.
1. He lives in a small town and knows every family on his route.
  2. Neil Moore has been a postman for 20 years.
  3. At Christmas many families give him presents.
  4. They appreciate his dedication and good service.
  5. He has carried mail in heat and in cold, in rain and in snow.
  6. He has delivered thousands of letters to homes on his mail route.
- a. 1-2-3-4-5-6  
 b. 6-1-3-5-2-4  
 c. 2-5-6-1-3-4  
 d. 4-5-6-3-2-1

**Read the following text and answer questions 12 to 15.**



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From	To	Flight Number	Days of Service	Departure	Arrival	A/C
Denpasar	Melbourne	AD 062	Mon, Fri	23.00	08.20+1	A310-300
Perth	Denpasar	AD 065	Mon, Wed, Fri, Sun	10.00	13.30	A310-300
Melbourne	Denpasar	AD 063	Tue, Sat	10.00	14.00	A310-300
Perth	Denpasar	AD 067	Mon, Wed, Fri, Sun	14.30	18.00	A310-300

**BALI**  
 Kuta megah Block I - II  
 Jl. By Pass Ngurah Rai-Tuban, Denpasar 80361  
 Phone: 0361.75 66 66 Fax: 0361.76 61 00  
 E-mail: reservation@airparadise.co.id

**JAKARTA**  
 Sahid Jaya Hotel, Shopping Arcade S 29  
 Jl. Jendral Sudirman 86, Jakarta Pusat  
 Phone: 021.570 23 34 Fax: 021. 570 23 01

12. What is the text about?  
 a. A flight schedule of Air Paradise International.  
 b. Special routes of Air Paradise International.  
 c. Special domestic introductory fares.  
 d. Special overseas introductory fares.
13. Your flight number will be ... if you fly from Denpasar to Perth on Wednesday.  
 a. AD 062  
 b. AD 063  
 c. AD 066  
 d. AD 067
14. How much is the air fare if you travel with your husband and your 19 years old son from Denpasar to Perth?  
 a. US\$ 620  
 b. US\$ 705  
 c. US\$ 1.155  
 d. US\$ 1.192,50
15. "Ticket valid 1 (one) year". The underlined word means being ....  
 a. expired  
 b. cancelled  
 c. postponed  
 d. effective
16. Dea : What place are we going to visit ?  
 Arini : We will visit Tawang Mangu waterfall.  
 Dea : So, we have to bring some snacks, ...?  
 Arini : Sure. And also our lunch.  
 a. don't we  
 b. do we  
 c. haven't we  
 d. have we
17. Mother : Don't buy that plant, Susan.  
 Susan : Why? Is it expensive?  
 Mother : No. ... it can grow well in our garden.  
 Susan : Okay, Mom.  
 a. I am sure  
 b. I am certain  
 c. I doubt that  
 d. I'm quite sure
18. Erlin : Have you ever heard about the eruption of mount Krakatau?  
 Reni : Yes. But there were not many people who died.  
 Erlin : You're wrong. Many people living in the coastal area died.

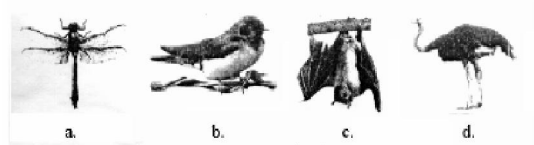
The underlined utterance expresses ....

- a. uncertainty  
 b. certainty  
 c. disagreement  
 d. agreement

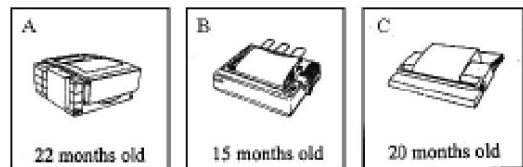
19. Read this short paragraph.

It can fly. But it is not a bird. It likes fruit. It flies at night. It never stands on a branch of a tree. It hangs.

Which of the four pictures below does the paragraph tell about?



20. Look at the picture below!



Printer B is ... of all.

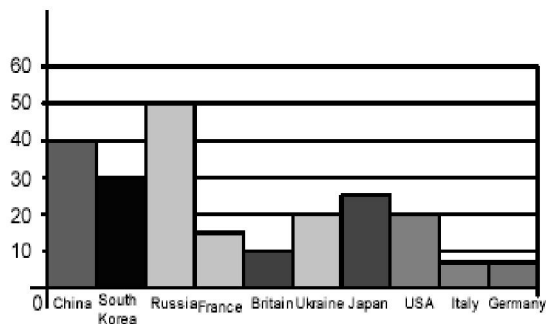
- a. the oldest  
 b. the newest  
 c. the cheapest  
 d. the longest

21. Johan : Have you heard about the robbery at ACI bank?  
 Umar : No. Were there any victims?  
 Johan : No. They only took all the money. But they would shoot ... who cried.  
 a. no one  
 b. someone  
 c. none  
 d. everyone
22. Azka : Have you entered this building before?  
 Dila : Yes, I have. Its dome is very big and covered with beautiful pictures.  
 Azka : Let's go inside.  
 Dila : Wow. ...  
 a. What is a magnificent building?  
 b. What a magnificent building is it!  
 c. What a magnificent building it is!  
 d. What is the magnificent building?

23. Sofyan : I got five for English.  
 Herman : Oh really? What's the matter with you? You are usually good at English, aren't you?  
 Sofyan : Yes, but I had a serious headache last night, ... I couldn't study well.
- but
  - and
  - or
  - so

**Read the following graph and answer questions 24 to 25.**

This graph shows students' games medals which are obtained after six days of full competition



24. What can you conclude about the medals that every country gets from the graph?
- There are three countries which get the same number of medals.
  - None of the countries gets the same numbers of medals.
  - The most medals were obtained by Russia.
  - The least medals were obtained by Italy.
25. The total medals obtain by all the countries competitors are ....
- less than 200
  - more than 200
  - two hundreds
  - 200 at most