



برای دریافت پاسخنامه سوالات به سایت زیر مراجعه
فرمایید

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Considérons les deux fractions rationnelles

$$f(x) = \frac{6x+2}{(x+1)(x-1)}$$

$$g(x) = \frac{3x-7}{(x-1)(x-2)}$$

Notons

$$(x+1)(x-1) = 0 \iff (x = -1 \text{ ou } x = 1)$$

$$(x-1)(x-2) = 0 \iff (x = 2 \text{ ou } x = 1)$$

Nous en déduisons

l'ensemble des dénominateurs communs D_g est : $D_g = \mathbb{R} - \{-1, 1, 2\}$

Pour tout réel x de D_g nous avons :

$$f(x) \pm g(x) = \frac{6x+2}{(x+1)(x-1)} \pm \frac{3x-7}{(x-1)(x-2)}$$

Nous en déduisons successivement :

$$f(x) - g(x) = \frac{(6x+2)(x-2) - (3x-7)(x+1)}{(x+1)(x-1)(x-2)}$$

$$f(x) - g(x) = \frac{(6x^2 - 12x + 2x - 4) - (3x^2 + 3x - 7x - 7)}{(x+1)(x-1)(x-2)}$$

$$f(x) - g(x) = \frac{3x^2 - 6x + 3}{(x+1)(x-1)(x-2)} = \frac{3(x-1)^2}{(x+1)(x-1)(x-2)}$$

Pour tout réel x de D_g nous avons $x-1 \neq 0$

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

کلیه حقوق مادی و معنوی این سوالات متعلق به گروه آموزشی
بیست و نوا می باشد و کپی برداری و استفاده بدون ذکر
منبع از لحاظ شرعی و قانونی مجاز نمی باشد



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Art and culture

1 - The happiest are not those who own all the best things, but those who can the beauty of life.

- Ⓐ appreciate Ⓑ measure Ⓒ converse Ⓓ prevent

2 - The of the boy's parents is still unknown, but he seems to have been a member of a distinguished and influential noble family.

- Ⓐ economy Ⓑ income Ⓒ identity Ⓓ pleasure

3 - An amazing of trees – some 100 native species – make spring in these mountains uniquely spectacular.

- Ⓐ point Ⓑ diversity Ⓒ institute Ⓓ consideration

4 - Always remember to check carefully the of any person who wants to enter the building.

- Ⓐ product Ⓑ income Ⓒ identity Ⓓ souvenir

5 - Different people may not learn the same things from reading the same book, and a book that someone likes may not be by another person.

- Ⓐ produced Ⓑ depended Ⓒ appreciated Ⓓ included

6 - Helping my students realize that through learning they can enhance their lives in a positive way is my as a teacher.

- Ⓐ mission Ⓑ exercise Ⓒ thought Ⓓ disease

7 - When people do not know how to bring up or what to teach their children, their cultural is really in danger.

- Ⓐ frequency Ⓑ heritage Ⓒ nation Ⓓ practice

8 - I forgot to take my camera to the museum, so I took photos.

- Ⓐ many Ⓑ no Ⓒ a few Ⓓ any

9 - Road accident victims almost half of the hospital's patients in this region.

- Ⓐ make up Ⓑ look up Ⓒ wake up Ⓓ pair up

10 - The of International House is to enable students of different cultures to live together and build life-long friendships.

- Ⓐ relationship Ⓑ lifestyle Ⓒ serving Ⓓ mission

11 -

My brother and I went to Paris that famous museum.

- Ⓐ visit Ⓑ visiting Ⓒ visited Ⓓ to visit

12 - You to work, if you down.

- Ⓐ shouldn't go - will feel Ⓑ won't go - will feel Ⓒ won't go - feel Ⓓ shouldn't go - feel

13 - There's no time to waste – we've got to get these small boxes before dinner.

- Ⓐ packed Ⓑ invited Ⓒ jumped Ⓓ retired

14 - If you buy your engagement ring from them, you'll get a 10 percent on your wedding ring.

- Ⓐ value Ⓑ discount Ⓒ skill Ⓓ couch

15 - If you could help me find him or if anyone has any information they can give me I would greatly it.

- Ⓐ decorate Ⓑ appreciate Ⓒ experience Ⓓ practice

16 - It's sad that the of sending birthday cards which began in the 19th century is dying out.

- Ⓐ artifact Ⓑ identity Ⓒ condition Ⓓ custom

17 - After four , Mike finally passed his driving test.

- Ⓐ attempts Ⓑ attacks Ⓒ missions Ⓓ communications

18 - There were three in the big box: a wall clock, a pen, and an old key.

- Ⓐ objects Ⓑ topics Ⓒ factors Ⓓ tiles

19 - The old man all the guests, including me, warmly as we arrived.

- Ⓐ created Ⓑ avoided Ⓒ invited Ⓓ greeted

20 - me the same questions over and over.

- Ⓐ Not to keep asking Ⓑ Don't keep to ask Ⓒ Not keeping to ask Ⓓ Don't keep asking

21 - I'd now like to our next guest, who will be singing songs from her latest album.

- Ⓐ produce Ⓑ introduce Ⓒ catch Ⓓ expect

22 - Next to the door, there was a woman wearing a long dress and gloves, all in silk.

- Ⓐ agreed Ⓑ caught Ⓒ woven Ⓓ confused

23 - Choose the word that is different.

- Ⓐ prize Ⓑ gift Ⓒ present Ⓓ income

24 -

My parents finally decided their old villa in the village.

- Ⓐ don't sell Ⓑ not sell Ⓒ not to sell Ⓓ to not sell

25 -

My little son is of the neighbor's dog. It is really

- Ⓐ frightened / frightened Ⓑ frightened / frightening Ⓒ frightening / frightened Ⓓ frightening / frightening

26 - We are going to play football next week, but we need two more players to the team.

- Ⓐ give up Ⓑ make up Ⓒ take part Ⓓ fill out

27 - Which of the following sentences is grammatically wrong?

- Ⓐ The plants won't grow if it doesn't rain. Ⓑ What do you get if you divide 20 by two?
Ⓒ If the sun shines through rain, it creates a rainbow. Ⓓ We call you if we'll have any problems.

28 - As people get older, they should do some activities so as to improve their physical and mental

- Ⓐ wellness Ⓑ imagination Ⓒ production Ⓓ collection

29 - This organization provides financial support for different families in need.

- Ⓐ income Ⓑ identity Ⓒ task Ⓓ charity

30 - My older brother doesn't have the right personality to be an army officer, he's too

- Ⓐ sure Ⓑ normal Ⓒ soft Ⓓ cheerful

31 - To tell the truth, I'm of walking home alone in the dark.

- Ⓐ frighten Ⓑ frightening Ⓒ frightened Ⓓ frighteningly

32 - Which of the following sentences is grammatically wrong?

Bad weather prevented us from leaving.

We're planning to go biking tomorrow.

Would you like to come to dinner on Friday?

My father promised stopping smoking.

33 - The company is now planning two new stores in the westerns region of the town.

- Ⓐ to build Ⓑ building Ⓒ to building Ⓓ build

34 - As people, we cannot accept that so many children grow up without a good education.

- Ⓐ honest Ⓑ polite Ⓒ patient Ⓓ moral

35 - We must also remember, however, there is a amount of other information we still need to receive.

- Ⓐ wonderful Ⓑ skillful Ⓒ quiet Ⓓ vast

36 - I can't believe that you behaved so rudely. I'm of you!

- Ⓐ proud Ⓑ unkind Ⓒ frightened Ⓓ ashamed

37 - On arrival, Alice introduced herself politely and gave Annie a

- Ⓐ fingerprint Ⓑ humankind Ⓒ handshake Ⓓ homeland

38 - The word 'artifact' usually a simple object such as a pot that was made by people in the past.

- Ⓐ refers to Ⓑ shares with Ⓒ attempts to Ⓓ checks in

39 - They were laughing out loud and seemed greatly by his jokes.

- Ⓐ amused Ⓑ bored Ⓒ amazed Ⓓ shocked

40 - Which word is different from the other ones?

- Ⓐ greet Ⓑ welcome Ⓒ sing a song Ⓓ say hello

41 - Naturally, Venice is very crowded and hotels and restaurants are expensive, but it is now a opportunity and a great time for me to experience this beautiful city.

- Ⓐ unique Ⓑ sociable Ⓒ recent Ⓓ creative

42 - Saving nature could mean a safer future, not just for, but for the planet as a whole.

- Ⓐ metal Ⓑ culture Ⓒ humankind Ⓓ artwork

43 - We still don't know whether we'll have to move to a new house or not - it all largely on our family income.

- Ⓐ prevents Ⓑ depends Ⓒ reflects Ⓓ imagines

44 - As he is not his performance on the final test, he thinks he would most probably need to repeat the course.

- Ⓐ satisfied with Ⓑ skillful in Ⓒ bored with Ⓓ interested in

45 - Success is highly on both the type of industry and founder's experience level.

- Ⓐ important Ⓑ dependent Ⓒ creative Ⓓ decorative

46 - Do you really think this water is safe ?

- Ⓐ to drink Ⓑ drinking Ⓒ drink Ⓓ to drinking

47 - It's always best to choose the subject that you, not the one your parents want you to do.

- Ⓐ interests Ⓑ dislikes Ⓒ measures Ⓓ respects

48 - She rarely went to visit her old mom, despite living in a 'nearby' town. The underlined word 'nearby' is the antonym of

- Ⓐ faraway Ⓑ similar to Ⓒ neighboring Ⓓ close-by

49 - In British English, 'a store' a large place that sells different things, but in American English, a store can be large or small.

- Ⓐ explains about Ⓑ arrives at Ⓒ lends to Ⓓ refers to

50 - The three-year guarantee the company's confidence in the quality of its products.

- Ⓐ predicts Ⓑ measure Ⓒ reflects Ⓓ contains

51 - Using clean energy could mean a safer future, not just for, but for the planet as a whole.

- Ⓐ humankind Ⓑ imagination Ⓒ craftsmen Ⓓ calligraphy

52 - I'm totally by this chemistry problem. Could you explain that again?

- Ⓐ amused Ⓑ amusing Ⓒ confusing Ⓓ confused

53 - The famous artist sold all her valuable works and donated the money to

- Ⓐ society Ⓑ charity Ⓒ popularity Ⓓ disability

54 - One group was the explanation, but the other group asked for much more explanation.

- Ⓐ ready for Ⓑ absorbed in Ⓒ uncertain of Ⓓ satisfied with

55 - Living with a British family is usually an interesting for a foreign student.

- Ⓐ experience Ⓑ production Ⓒ graduation Ⓓ item

56 - A: Are you going to Emma's party? B: I don't know, it, we might be going away that weekend.

- Ⓐ agrees Ⓑ promises Ⓒ reflects Ⓓ depends

57 - The workers who work in this car factory can buy all new models at a

- Ⓐ custom Ⓑ metal Ⓒ discount Ⓓ percent

58 - I wonder how Ted is in his new job? He always keeps to himself and doesn't like to go to the new places.

- Ⓐ bringing up Ⓑ giving up Ⓒ getting along Ⓓ hanging out

59 - The vast majority of bank workers are honest, people on average pay.

- Ⓐ hard - working Ⓑ popular Ⓒ touching Ⓓ former

60 - One of the largest shops near my house is Magee's which sells expensive clothes and

- Ⓐ nations Ⓑ museums Ⓒ souvenirs Ⓓ craftsmen