



گروه آموزش بیست شو

برای دریافت پاسخنامه سوالات به سایت زیر مراجعه فرمایید

http://www.20shoo.ir

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 nuls de  $f$  est :  $D_f = \mathbb{R} - \{-1, 1\}$

Pour tout réel  $x$  de  $D_f$  nous avons :

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

Nous en déduisons successivement :

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

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

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

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

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

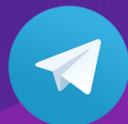
[www.20shoo.ir](http://www.20shoo.ir)

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



20shoo.ir

Instagram



@ir20shoo

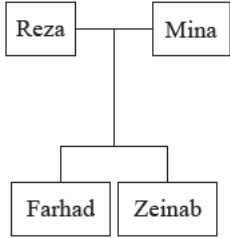
telegram



www.20shoo.ir

زبان انگلیسی هفتم فصل چهارم تستی

my family



- ① Farhad is Mina's son.
- ② Farhad is Reza's daughter.
- ③ Mina is Reza's wife.
- ④ Zeinab is Farhad's sister.

۱- باتوجه به شکل زیر، کدام گزینه نادرست است؟

2 - A: What's his job?

B: He is a/an .....

- ① mechanic
- ② employee
- ③ waiter
- ④ pilot



3 - Your father's sister is your .....

- ① aunt
- ② grandmother
- ③ daughter
- ④ wife

۴- تصویر زیر معرف چیست؟

- ① an umbrella
- ② a cup
- ③ a dress
- ④ a van



۵- ترجمه کدام گزینه صحیح است؟

- ① نارنجی: pink
- ② لباس: clothes
- ③ آشپز: baker
- ④ نسبت خانوادگی: family tree

6 - Who is Amir's daughter?

- ① Mina
- ② Sara
- ③ Mahsa
- ④ Zahra

7 - A: What's your .....

B: I'm a dentist.

- ① name
- ② birthday
- ③ job
- ④ age

۸- دیکته واژگان ناقص زیر با حروف کدام گزینه به درستی تکمیل می گردد؟ (ترتیب حروف مورد توجه قرار گیرد.)

A: p-li--man (پلیس)

B: one h-nd --d (صد)

- ① A:a,s,e B:u,e,r
- ② A:o,e,c B:u,r,i
- ③ A:o,c,e B:u,r,e
- ④ A:o,e,s B:a,r,e

۹- میان واژگان کدام گزینه ارتباطی دیده نمی شود؟

- ① June - month
- ② library - relationship
- ③ blackboard - classroom object
- ④ number - eight





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22 - Your father's sister is your .....

- ① uncle                      ② aunt                      ③ mother                      ④ brother

23 - A: What's your aunt's job?

B: ..... a nurse.

- ① I'm                      ② She's                      ③ He's                      ④ You're

24 - That ..... is my uncle's sister.

- ① man                      ② woman                      ③ father                      ④ boy

25 - Your father's brother is your .....

- ① uncle                      ② brother                      ③ mother                      ④ son

26 - Your mother's sister is your .....

- ① uncle                      ② aunt                      ③ daughter                      ④ brother

27 - Your mother's father is your .....

- ① grandfather                      ② aunt                      ③ sister                      ④ grandmother

28 - A: How old is your .....

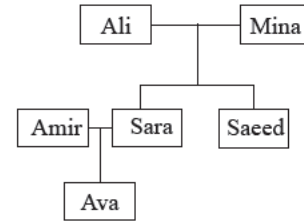
B: He's twelve years old.

- ① son                      ② sister                      ③ Mrs. Farhad                      ④ mother



۲۹- با توجه به شجره‌نامه زیر جدول را کامل کنید. (به ترتیب از A تا C)

| Name | Relationship    |
|------|-----------------|
| A    | Ava's uncle     |
| Ava  | B<br>Sara's ... |
| C    | Ali's wife      |



- ① Amir - daughter - Sara  
 ② Saeed - daughter - Mina  
 ③ Ali - son - Ava  
 ④ Saeed - son - Mina

30 - A: .....

B: He is playing football.

- ① Where is he                      ② What is he doing                      ③ How old is he                      ④ When is his birthday

۳۱- کلمه‌های پرسشی مناسب برای جاهای خالی زیر به ترتیب کدامند؟

A: . . . . one is your teacher? He is the young man.

B: . . . . is Ali's birthday? In Dey.

C: . . . . old is he? 30.

- ① Who-When-What                      ② Who-What-How                      ③ Which-When-How                      ④ Which-How-What

32 - That ..... is your friend. What's her job?

- ① man                      ② boy                      ③ girl                      ④ nurse

33 - What's your ..... job? Is he a baker?

- ① uncle                      ② uncles                      ③ uncle is                      ④ uncle's

34 - Ali's my uncle. His wife is my .....

- ① sister                      ② mother                      ③ grandmother                      ④ aunt

35 - Which sentence is NOT correct?

- ① Your father's wife is your mother.                      ② Farmers work in an office.  
 ③ Mechanics can fix cars.                      ④ January is the first month.

36 - The secretary is ..... a school form for the students.

- ① talking                      ② listening                      ③ completing                      ④ doing

37 - I am Mrs. Amiri's daughter and Mrs. Amiri's my .....

- ① aunt                      ② uncle                      ③ mother                      ④ sister

38 - I am Sina. Mina is my mother. I am her .....

- ① brother                      ② sister                      ③ son                      ④ father

39 - I am Mrs. Karimi's daughter and Mrs. Karimi is my .....

- ① sister                      ② mother                      ③ aunt                      ④ grandmother

40 - My dau \_\_ \_ ter is an engin \_\_ \_ r.

1 gh / ee

2 hg / ea

3 ct / ei

4 kt / ae

41 - Mr. Parvin is Mina's .....

1 daughter

2 brother

3 sister

4 mother

42 - I can't spell it. Can you ..... it for me, please?

1 write

2 see

3 speak

4 have

43 - My mother is a nurse and ..... brother is a dentist.

1 her

2 me

3 his

4 I

44 - Zahra's brother is ten years old. .... a student.

1 He's

2 She's

3 I am

4 You are

45 - Your mother's daughter is your .....

1 mother

2 sister

3 brother

4 aunt

46 - My mother works at home doing the cooking, cleaning etc. She's a .....

1 cook

2 housewife

3 nurse

4 teacher

47 - Miss Moradi is my father's ..... She is my aunt.

1 sister

2 uncle

3 brother

4 son

48 - A: What's ..... job? B: She's a dentist.

1 your

2 my

3 his

4 her

49 - A: Can I help you? B: Yes. ....

1 I am a new student.

2 Can I have some bread, please?

3 How old is your uncle?

4 This is my library card.

50 - Milad is my brother and I am Milad's .....

1 uncle

2 sister

3 mother

4 father