## COMPITI PER LE VACANZE ESTIVE

## Classe: Futura $1^{a}$ IPIA

## a.s. 2022-2023

Le materie sotto riportate, con i relativi argomenti e le esercitazioni, saranno oggetto dei TEST DI INGRESSO previsti nei primi giorni di scuola a settembre.

Si ricorda agli allievi che i compiti dovranno essere riconsegnati al docente interessato in corrispondenza della prima settimana di attività didattiche, secondo le modalità che verranno comunicate mediante registro elettronico a fine agosto.

## Contenuto del file

In questo documento sono presenti le indicazioni per i compiti delle vacanze estive nelle seguenti discipline scolastiche:

- ITALIANO
- INGLESE
- MATEMATICA


## COMPITI PER LE VACANZE ESTIVE 2022

Futura Classe: $1^{\wedge}$ IPIA (a.s. 2022-2023)
Materia: ITALIANO
Docente: SCHINCAGLIA LUCA
Libro di testo utilizzato durante l'anno a cui si riferiscono i compiti:
Si ricorda agli allievi che i compiti vanno riconsegnati al docente interessato in corrispondenza della prima settimana di attività didattiche, secondo le modalità che verranno comunicate mediante registro a fine agosto.

## Leggi 1 libro scegliendolo dall'elenco proposto e fanne la scheda-libro.

- F. Geda, Nel mare ci sono i coccodrilli
- M. Morpurgo, La guerra del soldato Pace ( https://www.ibs.it/guerra-del-soldato-pace-ebook-michael-morpurgo/e/9788893810418)
- M. Morpurgo, War Horse
- R.L. Stevenson, L'isola del tesoro
- A.C. Doyle, Il mastino dei Baskerville
- J. Kerr, Quando Hitler rubò il coniglio rosa
- Tolkien, Lo Hobbit
- Harper Lee, Il buio oltre la siepe
- Jules Verne, Ventimila leghe sotto i mari
- Michael Ende, La storia infinita


## Svolgi su pc in formato PDF i seguenti temi:

- Racconta una giornata memorabile delle tue vacanze.
- Come immagino la mia nuova vita alla Scuola superiore.


## RELAZIONE DI LETTURA

Da produrre al pc su file PDF
Per prima cosa ricava dal libro le informazioni editoriali (autore, titolo, eventualmente il titolo originale, anno di edizione e di pubblicazione, luogo di pubblicazione) e trascrivili.

## Lavora sul testo

1. Individua il genere letterario di appartenenza del tuo libro (per esempio romanzo d'avventura, romanzo giallo, romanzo fantasy ecc.): quali sono le caratteristiche del testo che ti permettono di classificarlo?
2. Fai il riassunto della trama utilizzando tra le 100 e le 200 parole.
3. Analizza i 2 personaggi che più ti hanno colpito facendone una sorta di carta di identità.

Esempio:
Nome:
Professione:
Caratteristiche fisiche:
Caratteristiche psicologiche: (trova qualche aggettivo che descriva la psicologia del tuo personaggio).
Frase celebre: (scegli una frase che ti ha colpito pronunciata dal tuo personaggio).

Se disegni bene puoi anche farne un ritratto o una caricatura sulla base delle caratteristiche da te descritte e usarla come foto "identikit" della carta d'identità.
4. Scrivi una breve recensione del libro, da pubblicare in una rivista o in un quotidiano: il libro ti è piaciuto? Lo consiglieresti? Perché?

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Il Preside


## COMPITI PER LE VACANZE ESTIVE 2022

Futura Classe: $1^{\wedge}$ _IPIA (a.s. 2022-2023)
Materia: INGLESE

## Docente: Martina D'Angelo

Libro di testo utilizzato durante l'anno a cui si riferiscono i compiti: --
Si ricorda agli allievi che i compiti vanno riconsegnati al docente interessato in corrispondenza della prima settimana di attività didattiche, secondo le modalità che verranno comunicate mediante registro a fine agosto

Cari Ragazzi e Gentili Famiglie,
in preparazione alla prima superiore, siete invitati a svolgere gli esercizi proposti.
Buone vacanze eci vediamo a settembre!
Martina D'Angelo

1. Completa le frasi con la forma affermativa corretta del Present simple del verbo to be.

0 Jack's house is very big.
1 My mother $\qquad$ a doctor.

2 Sally and Susie $\qquad$ at school.

3 Jo and I $\qquad$ very happy here.

5 Andy's parents $\qquad$ on holiday in Egypt.

61 $\qquad$ from Melbourne, Australia.

7 Ellie's dog $\qquad$ in the garden.

8 We $\qquad$ very tired. It $\qquad$ 2 a.m.!

4 You $\qquad$ late!

## 2. Abbina le domande alle short answers.

1 Are your parents at work?
c
a Yes, we are.
2 Is the cinema open today?
b Yes, it is.
3 Are you on holiday at the moment?
E No, theyaren't.
4 Are you and your friends over 18?
d Yes, she is.
5 Is J.Lo a singer?
e No, you aren't.
6 Is your uncle a teacher?
f Yes, lam.
7 Am I in Class 4B?
g No, he isn't.

## 3. Scrivi domande e risposte utilizzando i suggerimenti e la forma corretta del Present simple del verbo to be.

0 you / from England?
Are you from England?
1 your sister / married? $\qquad$
2 your cousins / from London? $\qquad$
3 he / Australian? $\qquad$
4 Mark's dog / black? $\qquad$
5 the children / in bed? $\qquad$
6 Auckland / in Australia? $\qquad$
7 you / a doctor? $\qquad$
4. Scrivi le domande adatte alle seguenti risposte.

0 - Are you from Milan?
1 $\qquad$
2 $\qquad$
3 $\qquad$
4 $\qquad$

- Yes, I'm from Milan.
- No, they aren't from Scotland.
- No, she isn't a good student.
- Yes, we're good friends.
- Yes, he's a singer.
$\qquad$
7 $\qquad$ - Yes, the supermarket is closed today.
- No, the film isn't interesting.
- No, I'm not a tennis player.


## 5. Completa il testo con there is(n't)/there are(n't).

My house is quite big. ${ }^{1}$ $\qquad$ three bedrooms, a big kitchen, a living room and two bathrooms. 2 $\qquad$ a big table in the kitchen, and we always eat there because ${ }^{3}$ $\qquad$ a dining room. My bedroom is great! ${ }^{4}$ $\qquad$ a bed and ${ }^{5}$ $\qquad$ some shelves. ${ }^{6}$ $\qquad$ hundreds of books on the shelves, but ${ }^{7}$ $\qquad$ any CDs: I never listen to music. 8 $\qquad$ any posters on the walls, but ${ }^{9}$ $\qquad$ a photograph of me with my brothers on holiday in Thailand. ${ }^{10}$ $\qquad$ always clothes on the floor in my room, because ${ }^{11}$ $\qquad$ a wardrobe! What a mess!!
6. Completa le frasi con la forma corretta di there is/there are.

1 $\qquad$ any people here today. It's a holiday!

2 Excuse me, $\qquad$ a post office near here?

3 $\qquad$ a big supermarket in my town, and $\qquad$ three newsagents.

4 $\qquad$ any American students at your school?

5 $\qquad$ a cinema here, but $\qquad$ two in the next town.

6 $\qquad$ some men in that pub, but $\qquad$ any women.

7 You can't have an omelette. $\qquad$ any eggs.

8 $\qquad$ an English lesson today?

## 7. Sottolinea nel dialogo l'alternativa corretta.

A Welcome back! What's New York like?
B Well, you can imagine! There are ${ }^{1}$ some / any enormous apartment blocks, but there ${ }^{2}$ is / are ${ }^{3}$ some / any small houses too.
A ${ }^{4}$ Is / Are there ${ }^{5}$ some / any good restaurants?
B Oh, yes. There ${ }^{6}$ are / aren't ${ }^{7}$ some / any fantastic places: there ${ }^{8}$ is / are food from India, Thailand, Indonesia ... But there ${ }^{9}$ are / aren't ${ }^{10}$ some / any English restaurants!
A No?!?! ${ }^{11}$ Is / Are there ${ }^{12}$ a / any good transport service?
B Of course. There ${ }^{13}$ are / aren't taxis and buses. And there's ${ }^{14} \mathbf{a} /$ an underground but there ${ }^{15}$ isn't / aren't ${ }^{16}$ some / any trams. Oh, and there ${ }^{17}$ is / are ${ }^{18} \mathbf{a}$ / some ferry boat to the Statue of Liberty.

A And ${ }^{19}$ is / are there ${ }^{20}$ some / any parks?

B Well, there ${ }^{21}$ is / are Central Park of course. It's beautiful. There ${ }^{22}$ is / are trees and flowers there ${ }^{23}$ is / isn't ${ }^{24}$ a / any lake. There ${ }^{25}$ isn't / aren't ${ }^{26}$ some / any boats on the lake, it's quite small.

A Fantastic!
B Yes ... but I prefer our quiet village!
A Really? Why?
B Because it's quiet! There ${ }^{27}$ aren't / isn't ${ }^{28}$ some / any traffic ... and there ${ }^{29}$ isn't / aren't ${ }^{30}$ some / any noise! There ${ }^{31}$ is / are ${ }^{32} \mathbf{a} /$ some pub ... but there
${ }^{33}$ isn't / aren't ${ }^{34}$ some / any loud concerts on Saturday night
8. Scrivi a o an davanti alle parole.

1. $\qquad$ House
2. $\qquad$ Apple
3. $\qquad$ Actor
4. $\qquad$ Airport
5. $\qquad$ Word
6. $\qquad$ Hour
7. $\qquad$ Elephant
8. $\qquad$ Orange
9. $\qquad$ Window
10. $\qquad$ Girl
11. $\qquad$ Umbrella
12. $\qquad$ English house
13. $\qquad$ Hand
14. $\qquad$ European citizen
15. $\qquad$ instruction
16. $\qquad$ Editor
17. $\qquad$ happy child
18. $\qquad$ interesting film
19. $\qquad$ bike
20. $\qquad$ alligator
21. $\qquad$ uncle
22. $\qquad$ car
23. $\qquad$ Italian
24. $\qquad$ journey
25. $\qquad$ American
26. $\qquad$ computer
27. $\qquad$ shirt
28. $\qquad$ MP3 player
29. $\qquad$ olive
30. $\qquad$ year
31. $\qquad$ university student

28 $\qquad$ handbag
9. Riscrivi le frasi usando i numeri tra parentesi. In alcuni casi dovrai cambiare la forma verbale.

0 There's a book on the table. (eight)
1 They've got one child. (three)
2 There's one person in the garden. (ten)
3 One man lives in that house. (two)
4 I've got an orange in my bag. (four)
5 I work with an English woman. (two)
6 There's a party on Saturday. (three)
7 That old woman has got a cat. (twenty).

There are eight books on the table.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
10. Scrivi delle frasi usando can o can't e i suggerimenti.
0 you / sing / ?
Can you sing?

1 he / not play / the guitar
2 they / surf / ?
3 she / write songs / but / not read / music
4 we / use a computer well
5 what / you / do / ?
6 you / ride a motorbike
7 Alex / not speak English
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## 11. Completa le frasi con la forma corretta di have got.

0 He's very popular. He 's got numerous friends.
1 She's very poor. She $\qquad$ any money.

2 He's unemployed. He $\qquad$ a job.

3 I'm from a very big family. I $\qquad$ seven brothers and sisters.

4 He can't drive. He $\qquad$ a car.

5 The fridge is empty. We $\qquad$ any food.

6 They're very rich. They $\qquad$ houses in London, New York and Paris.

7 It's very late. We $\qquad$ time.
12. Completa i mini dialoghi con la forma corretta di have got.

1 A ${ }^{0}$ Have you got (you) a big room?
B Yes, $I^{1}$ $\qquad$ $.1^{2}$ $\qquad$ a very big room.
$2 \mathrm{~A}^{3}$ $\qquad$ (your sister) blue eyes like you?

B No, she ${ }^{4}$ $\qquad$ . She ${ }^{5}$ $\qquad$ green eyes. My
mother and my brother ${ }^{6}$ $\qquad$ blue eyes.

3 A Who ${ }^{7}$ $\qquad$ a pen to lend me?

B $\left.\right|^{8}$ $\qquad$ a red pen.

4 A ${ }^{9}$ $\qquad$ (they) any friends here?

B Well, Bob ${ }^{10}$ $\qquad$ some, but Mike and John ${ }^{11}$ $\qquad$ any. They're not very friendly.
$5 A^{12}$ $\qquad$ (your mother) a car?

B $\quad$ Yes, she ${ }^{13}$ $\qquad$ . And my father ${ }^{14}$ $\qquad$ another car.

6 A Where ${ }^{15}$ $\qquad$ (Carol and Kevin) their house?
B Well, they ${ }^{16}$ $\qquad$ a house, they ${ }^{17}$ $\qquad$ a flat. It's a small flat - it ${ }^{18}$ $\qquad$ only three rooms. Carol ${ }^{19}$ $\qquad$ a beautiful room.

## 13. Completa le frasi con must/mustn't.

0 I must be at school by 8 o'clock.
1 When you travel to the USA you $\qquad$ have a passport.

2 You $\qquad$ take bottles of water onto a plane. It's illegal.

3 I $\qquad$ go to the dentist's. I've got a terrible toothache.

4 Footballers $\qquad$ be very fit.

5 You $\qquad$ tell anybody, it's a secret.

6 Students $\qquad$ talk during lessons.

## 14. Completa le frasi con gli aggettivi possessivi corretti.

0 I'm a new student here. My classmates are nice.
1 This is my sister. $\qquad$ name's Julia.

2 They're Mike and Bill. $\qquad$ father is my teacher.

3 That's Luke. I don't know $\qquad$ surname.

4 What's $\qquad$ job? Are you a doctor?

5 Hi ! $\qquad$ name's Lucy.

6 We're brothers. $\qquad$ house is over there.

7 I've got a brother and sister. $\qquad$ sister is married.

8 We like school. $\qquad$ teachers are very friendly.

## 15. Completa le frasi con l'aggettivo possessivo che corrisponde alle parole in neretto.

0 Your dog's got long hair. Its hair is long.
1 I am June's cousin. June is $\qquad$ cousin.

2 Beth is Sally's sister. Sally is $\qquad$ sister.

3 That is John and Jo's cat. That is $\qquad$ cat.

4 Annie's parents have got a very big house. $\qquad$ house is very big.

5 Mike has a very difficult job. $\qquad$ job is very difficult.

6 Sue and I are Alex and Anita's children. Alex and Anita are $\qquad$ parents.

My cat has big ears! $\qquad$ ears are big!

8 You have very beautiful children. $\qquad$ children are very beautiful.
16. Completa i dialoghi con i pronomi possessivi corretti.

A
Teacher Collect your things, kids! Whose CD player is this? Is it yours, Mary?
Mary Yes, it's ${ }^{1}$ $\qquad$ , Mrs Martin, and this walkman is John's.

Clare No.ldon't think it's ${ }^{2}$ $\qquad$ . I think it's Glenda's.

Mary Yes, it's ${ }^{3}$ $\qquad$ .

Teacher And whose are these CDs?
Mary and Clare They're ${ }^{4}$ $\qquad$ .

Teacher What about these cassettes?
Clare They're Bob and Paul's.
Mary Yes, they're ${ }^{5}$ $\qquad$ .

B
Mum Let's tidy up, children.
Paul OK. This horrible jumper isn't ${ }^{6}$ $\qquad$ . I'm sure it's ${ }^{7}$ $\qquad$ , Kate.

Kate $\quad$ That's right. And is this shirt ${ }^{8}$ $\qquad$ or Dad's, Paul?

Paul It's ${ }^{9} \quad$. It's so white, Dad's shirts are never so white! What about this skirt?
Mum I think it's Barbara's, Kate's friend.
Kate
Yes, it's ${ }^{10}$ $\qquad$ . She let me wear it to the disco.
17. Scrivi la preposizione corretta (in, on, at) per ogni espressione di tempo.

0 at 4 o'clock

1. $\qquad$ the afternoon
2. $\qquad$ my birthday
3. $\qquad$ Monday
4. $\qquad$ 1960
5. $\qquad$ June
6. $\qquad$ 9.30 a.m.
7. $\qquad$ the $22^{\text {nd }}$ March
8. $\qquad$ night
9. $\qquad$ 2003
10. $\qquad$ Sunday evening
11. $\qquad$ midnight
12. $\qquad$ Christmas day

## 18. Sottolinea l'alternativa corretta.

1 There's a pub in front of / between the bank.
2 - Where are my keys? - They're above / in your bag on / in the sofa.
3 - When is your holiday? - At / In September. We leave at / on the $24^{\text {th }}$.
4 My dad leaves for work at / on 7.30 on / in the morning.
5 - Where's the cat? - It's asleep above / under the bed.
6 Don't stand behind / in front of the television! I can't see!
7 My brother's flat is on / above a pub. It's very noisy.

8 At / On Sundays I get up on / at midday.
9 You can't see my house from here because it's behind / next to the church.
10 John's in / at bed. He's very tired.
19. Sostituisci i soggetti sottolineati con i pronomi personali soggetto.

0 Harry is my best friend. He
1 Mrs Wilson is very kind. $\qquad$
2 Mike and Tom are twins. $\qquad$
3 Bob and I are football players. $\qquad$
4 Your house is so beautiful. $\qquad$

5 You and your friends are very rude.
6 My clothes are all very trendy. $\qquad$
7 His girlfriend is really nice.
8 Mr Dawson wants to talk to you.
$\qquad$
$\qquad$
20. Sostituisci i complementi sottolineati con i pronomi personali complemento.

0 I love Rachel. her
1 He likes your glasses. $\qquad$
2 Who knows this boy? $\qquad$
3 She wants to talk to you and your friend. $\qquad$
4 This is for Sheila. $\qquad$
5 The teacher called me, Luke and Rick. $\qquad$
21. Leggi le risposte e scrivi le domande adatte usando how much/how many e le parole tra parentesi.

0 - How much cheese have you got?
1 $\qquad$
2 $\qquad$
3 $\qquad$
4 $\qquad$
5 $\qquad$
6 $\qquad$

6 I like the lesson. $\qquad$
7 I'm out with Michael.
8 He is on holiday with his friends.
9 This email is for my classmates. 10 Do you like that girl? $\qquad$
$\qquad$
22. Completa le frasi con much/many/a lot of.

1 Jane hasn't got $\qquad$ friends, but she's got $\qquad$ money!

2 There isn't $\qquad$ information on that computer.

3 We need $\qquad$ people to organize this conference.

4 You don't need $\qquad$ money to travel these days. There are $\qquad$ of low-cost airlines.

5 My car uses $\qquad$ of petrol but my brother's car doesn't use $\qquad$ .

6 I don't do $\qquad$ exercises in the gym because I don't have $\qquad$ time.

## 23. Sottolinea l'alternativa corretta.

1 There are a few / a little eggs in the fridge. Let's make an omelette.
2 We've got a few / a little time before the train leaves, let's have a coffee.
3 Why don't you put a few / a little cheese on your pasta? It'll be nicer.
4 I failed a few / a little exams last year. I need to study more.
5 I've got a few / a little old CDs that I don't want. Would you like them?
6 Are you hungry? Have a few / a little chocolate.

## 24. Sottolinea l'alternativa corretta.

A There aren't ${ }^{1}$ much / many / a little people at this party. Why don't you call ${ }^{2}$ a lot / many / a few friends?

B I haven't got ${ }^{3}$ a little / many / much friends!
A Yes, you have! And you've got ${ }^{4}$ a lot of / a few / many neighbours, too: you live in that big apartment block!

B I think maybe there's ${ }^{5}$ a few / much / a lot of traffic on the motorway, and people are having ${ }^{6}$ a little / a few / many problems.

A Maybe. Is that the DJ? He hasn't got ${ }^{7}$ much / a little / many CDs!
B Oh, dear. I'm going home ... I'm tired.
A Why don't you have ${ }^{8}$ a little / a few / much coffee to wake you up?
B No, I don't usually drink ${ }^{9}$ many / a little / much coffee. Give me ${ }^{10}$ much / a lot of / a little time, only about half an hour ...
25. Scrivi la terza persona singolare dei seguenti verbi.

0 read reads

1. go
2. be
3. wash
4. try
5. have
6. like
7. watch $\qquad$
8. do $\qquad$
9. write
10. make
$\qquad$
11. live
12. leave
13. study
14. arrive
15. play
16. drive
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
17. Completa le frasi con Do o Does.

1 $\qquad$ they like studying English?

2 $\qquad$ Susan drink coffee for breakfast?

3 $\qquad$ Jenny and John visit their parents
at Christmas?
4 $\qquad$ you go to work by car?

5 $\qquad$ the cinema open at 6 p.m.?

6 $\qquad$ your parents work on Saturdays?

7 $\qquad$ our English lessons start at 10 o'clock?

8 $\qquad$ the train leave from platform 6 ?
27. Completa i mini dialoghi con la forma corretta del Present simple dei verbi tra parentesi.
$1 \mathrm{~A}^{1}$ $\qquad$ (you / like) chocolate?

B No, $I^{2}$ $\qquad$ . I never ${ }^{3}$ $\qquad$ (eat) any. My brother ${ }^{4}$ $\qquad$ (love) it.

2 A ${ }^{5}$ $\qquad$ (you / surf) the Net?

B Yes, $I^{6}$ $\qquad$ $.1^{7}$ $\qquad$ (surf) after dinner with my sister. We ${ }^{8}$ $\qquad$ (love) chatting with our friends but our parents ${ }^{9}$ $\qquad$ (not like) it so we ${ }^{10}$ $\qquad$ (not surf) very often.

3 A What ${ }^{11}$ $\qquad$ (Laura / do) in the morning when she's on holiday?

B She ${ }^{12}$ $\qquad$ (help) her mother with the housework but she ${ }^{13}$ $\qquad$ (not cook). She ${ }^{14}$ $\qquad$ (not like) it.
$4 A^{15}$ $\qquad$ (your friends / go) on holiday with you?

B Well, we ${ }^{16}$ $\qquad$ (spend) our summer holidays together. We ${ }^{17}$ $\qquad$ (go) to the seaside. But in winter we ${ }^{18}$ $\qquad$ (not spend) our holidays together. $I^{19}$ $\qquad$ (go) skiing and they ${ }^{20}$ $\qquad$ (stay) at home.

5 A ${ }^{21}$ $\qquad$ (you / work) every day?

B No, $l^{22}$ $\qquad$ $.1^{23}$ $\qquad$ (work) part-time. In my spare time I ${ }^{24}$ $\qquad$ (do) voluntary work at the local hospital. My sister ${ }^{25}$ $\qquad$ (work) there as a children's nurse.
28. Trasforma le frasi in domande, e aggiungi una short answer.

0 I don’t like skiing. (No)

- Do you like skiing?
- No, I don't.

1 They live in Milan. (Yes)

2 She works for IBM. (No)
3 Max and Sam have got a new car. (Yes) $\qquad$
4 We go to France for our holidays. (Yes) $\qquad$
$\qquad$

5 John's mother doesn't play tennis. (No) $\qquad$
6 You get up early. (No)
7 You need an umbrella. (Yes)
$\qquad$

8 Her husband speaks French and German. (Yes) $\qquad$
29. Completa il dialogo con la forma corretta (affermativa, negativa o interrogativa) del Present simple dei verbi tra parentesi o con una short answer.

A ${ }^{1}$ $\qquad$ (you / live) near here?

B No, $I^{2}$ $\qquad$ . But $I^{3}$ $\qquad$ (work) in the local school.

A Really? ${ }^{4}$ $\qquad$ (you / like) your job?
B Yes, $I^{5}$ $\qquad$ (love) it. My children ${ }^{6}$ $\qquad$ (study) at the school too. ${ }^{7}$ $\qquad$ (you / have got) any children?

A Yes, $I^{8}$ $\qquad$ (have got) a son. But he ${ }^{9}$ $\qquad$ (not go) to this school. He ${ }^{10}$ $\qquad$ (study) Medicine at university.

B That's interesting. ${ }^{11}$ $\qquad$ (he / enjoy) it?

A Yes, he ${ }^{12}$ $\qquad$ .$I^{13}$ $\qquad$ (not see) him very often. He only ${ }^{14}$ $\qquad$ (come) home once every three months.
30. Scrivi le domande adeguate per la parte sottolineata delle risposte.

0 They go to France on holiday.
Where do they go on holiday?
1 I work at the bank on the High Street.
2 She does her homework on Saturday mornings.
3 They visit her mother every Friday evening.
4 He learns English because he needs it for his job.
5 We go on holiday with our best friend.
6 Wendy's dad's a journalist.
7 His sister studies Medicine.
8 On Sundays he sees his family. $\qquad$

## 31. Scrivi la -ing form dei seguenti verbi.

0 speak
speaking
1 drink
2 eat

| 3 play | 9 read | 15 arrive |
| :---: | :---: | :---: |
| 4 sit | 10 do | 16 have |
| 5 ride | 11 sleep | 17 cook |
| 6 make | 12 fly | 18 work |
| 7 run | 13 get | 19 drive |
| 8 study | 14 walk | 20 come |

32. Completa le frasi con la forma affermativa del Present continuous dei verbi tra parentesi.

0 My mum 's studying (study) Italian at evening classes.
1 - Where's your sister? - She $\qquad$ (sit) in the garden.

2 I can't help you now, I $\qquad$ (cook) dinner.

3 John isn't here. He $\qquad$ (walk) the dog.

4 Ssh! Be quiet! They $\qquad$ (do) an exam in the next classroom!

5 My brother's a ski instructor. He $\qquad$ (work) in the South of France at the moment.

6 We can't go to the cinema tonight, we $\qquad$ (study) for an exam.

7 It's Alison's birthday today. I $\qquad$ (make) a cake for her.

8 - I can hear music. - Yes, our neighbours $\qquad$ (have) a party.

## 33. Correggi le frasi usando la forma negativa e affermativa del Present continuous e la parola tra parentesi.

0 Sarah's listening to her MP3 player. (Walkman)
Sarah isn't listening to her MP3 player. She's listening to her walkman.
1 John's watching a documentary on TV. (film)

2 Alastair and Anthony are playing football in the park. (baseball)

3 Lucy and Reg are sitting in the garden. (living room)

4 The dog is sleeping on the chair. (floor)

5 Vic is reading the newspaper. (magazine)

6 Brenda is having a bath upstairs. (shower)
34. Scrivi se la frase è al Present simple (PS) o al Present continuous (PC).

1 The weather is getting colder.
2 James goes to work at 7 o'clock in the morning.
3 Water boils at $100^{\circ} \mathrm{C}$.
4 Listen! Bob is playing the piano.
5 She's swimming with the national team at the moment.

## 35. Sottolinea l'alternativa corretta.

1 Smithy usually plays / is playing football on Saturday mornings.
2 Are you reading / Do you read the newspaper or can I read it?
3 We see / are seeing each other a lot because we are very good friends.
4 My son grows up / is growing up very quickly.
5 Light travels / is travelling at 299,792,458 metres per second.
6 John is staying / stays at my house because his parents are on holiday.
36. Completa le frasi con la forma corretta del Present simple o del Present continuous.

0 She always goes (go) skating on Sundays.
1 Who is that blond boy? He $\qquad$ (talk) to your sister, look.

2 I $\qquad$ (do) my homework every day at the same time.

3 We $\qquad$ (watch) a film so be quiet, please.

4 Sunny weather $\qquad$ (make) me feel happy.

5 Why $\qquad$ (John / sing)? Has he got his exam results?

6 More and more people $\qquad$ (use) the Internet to do their shopping.

## COMPITI PER LE VACANZE ESTIVE - ISTITUTO PROFESSIONALE - 1^IPIA MATEMATICA

1) Completa la tabella per calcolare MCD e mcm tra numeri naturali

| Gruppo di numeri | Scomponi in fattori primi tutti $i$ numeri | Calcola il MCD | Calcola il mcm |
| :---: | :---: | :---: | :---: |
| $\begin{array}{\|l} \hline 7 \\ 49 \\ 21 \end{array}$ | $\begin{aligned} & 7=7 \\ & 49=7^{2} \\ & 21=7 * 3 \end{aligned}$ | $\operatorname{MCD}(7 ; 49 ; 21)=7$ | $\mathrm{mcm}(7 ; 49 ; 21)=3^{*} 7^{2}$ |
| $\begin{aligned} & \hline 625 \\ & 26 \\ & 13 \end{aligned}$ |  |  |  |
| $\begin{array}{\|l} 12 \\ 36 \\ 60 \end{array}$ |  |  |  |
| $\begin{aligned} & 150 \\ & 39 \\ & 65 \end{aligned}$ |  |  |  |
| $\begin{array}{\|l\|} \hline 256 \\ 120 \\ 80 \end{array}$ |  |  |  |

2) Sottolinea le frazioni ridotte ai minimi termini; trascrivi le altre semplificandole

$$
\frac{27}{6} ; \frac{2}{3} ; \frac{4}{9} ; \frac{1}{5} ; \frac{5}{20} ; \frac{12}{4} ; \frac{3}{4} ; \frac{6}{18} ; \frac{5}{7} ; \frac{70}{14} ; \frac{35}{25} ; \frac{56}{32}
$$

$$
\frac{27^{9}}{\sigma_{2}}=\frac{9}{2}
$$

## 3) Completa la tabella per calcolare la somma tra frazioni

| Addizione tra frazioni | Se possibile <br> semplifica <br> le frazioni | Riduci le frazioni semplificate al minimo comun denominatore <br> e scrivi la frazione che ha come denominatore <br> il minimo comun denominatore e come numeratore <br> la somma dei numeratori; semplifica se possibile e calcola |
| :--- | :--- | :--- |
| $\frac{3}{4}+\frac{5}{15}+\frac{20}{4}$ | $\frac{3}{4}+\frac{1}{3}+\frac{5}{1}$ | $\frac{9}{12}+\frac{4}{12}+\frac{60}{12}=\frac{9+4+60}{12}=\frac{73}{12}$ |
| $\frac{1}{9}+\frac{25}{35}+\frac{22}{4}$ |  |  |
| $\frac{3}{2}+\frac{7}{14}+\frac{40}{4}$ |  |  |

## 4) Completa la tabella per calcolare il prodotto tra frazioni

| Moltiplicazione tra frazioni | Se possibile <br> semplifica <br> ciascuna frazione | Scrivi la frazione che ha come numeratore la moltiplicazione dei <br> numeratori e come denominatore la moltiplicazione dei denominatori; <br> semplifica se possibile e calcola |
| :--- | :--- | :--- |
| $\frac{3}{4} \cdot \frac{5}{25} \cdot \frac{8}{18}$ | $\frac{3}{4} \cdot \frac{1}{5} \cdot \frac{4}{9}$ | $\frac{3}{4} \cdot \frac{1}{5} \cdot \frac{4}{9}=\frac{3 \cdot 1 \cdot 4}{4 \cdot 5 \cdot 9 \cdot}=\frac{1}{15}$ |
| $\frac{1}{9} \cdot \frac{25}{35} \cdot \frac{7}{5}$ |  |  |
| $\frac{3}{2} \cdot \frac{28}{14} \cdot \frac{3}{4}$ |  |  |

## 5) Completa la tabella per calcolare il quoziente tra frazioni

| Divisione tra frazioni | Trasforma ciascuna divisione nella moltiplicazione <br> per l'inverso della frazione successiva; semplifica se possibile e calcola |
| :--- | :---: |
| $\frac{3}{8}: \frac{9}{25}: \frac{6}{18}$ | $\frac{3}{8} \cdot \frac{25}{9} \cdot \frac{18}{6}=^{\prime} \frac{3 \cdot 25 \cdot 18^{2 \prime}}{8_{1} \cdot 9_{1} \cdot 6_{2}}=\frac{25}{8}$ |
| $\frac{10}{18}: \frac{25}{36}$ |  |
| $\frac{12}{40}: \frac{28}{35}: \frac{1}{7}$ |  |
| - |  |

6) Completa la tabella per calcolare la potenza di una frazione

| Potenza di frazione | Semplifica se possibile | Scrivi la frazione che ha come <br> numeratore la potenza del <br> numeratore e come denominatore <br> la potenza del denominatore |
| :---: | :---: | :---: |
| $\left(\frac{6}{10}\right)^{3}$ | $\left(\frac{6}{10}\right)^{3}=\binom{3}{5}^{3}$ | $\left(\frac{3}{5}\right)^{3}=\frac{3^{3}}{5^{3}}=\frac{27}{125}$ |
| $\left(\frac{10}{12}\right)^{2}$ |  |  |
| $\left(\frac{124}{72}\right)^{0}$ |  |  |

7) Calcola il valore delle seguenti espressioni
$[(-1-3)-(4+2)]-[(6-13-2)-(-3+2-4)+(-8)]=$
$[(1-3)(-2)-12+(8-2)(-18+15+4)](-3)=$
$\left[(+2)^{3}(-1)^{4}-(-7)^{2}\right]^{0}(-3)^{2}+[-2+(-5)]^{1}=$
8) Calcola applicando le proprietà delle potenze

| $\left[(-3)^{5}(-3)^{3}\right]^{2}:(-3)^{14}=$ | $[9]$ | $\left[7^{13}(-4)^{13}\right]:(-28)^{13}=$ | $[1]$ |
| :--- | ---: | :--- | :--- |
| $\left[(-7)^{10}:(-7)^{8}\right]:(-1)^{2}=$ | $[49]$ | $\left(3^{5} \cdot 2^{5} \cdot 5^{5}\right):\left(30^{2}\right)^{2}=$ | $[30]$ |

9) Rappresenta i numeri razionali sulla retta

$$
-\frac{1}{5} ;-0,8 ;-\frac{6}{5} ;-1,2 ;-1,8 ;-\frac{8}{5}
$$


10) Completa la tabella per calcolare la somma algebrica tra due o più frazioni

| Somma algebrica <br> tra due o piü frazioni | Se è possibile, <br> semplifica le frazioni <br> ed elimina le parentesi | Riduci allo stesso denominatore le frazioni semplificate, <br> Scrivi una sola frazione che abbia come denominatorè <br> quello comune e come numeratore la somma algebrica <br> dei numeratori e risolvi le operazioni a numeratore. <br> Se e e possibile, riduci la frazione ai minimi termini |
| :--- | :--- | :--- |
| $\frac{3}{4}+\left(-\frac{9}{6}\right)+(+3)$ | $\frac{3}{4}-\frac{3}{2}+3$ | $\frac{3-3 \cdot 2+3 \cdot 4}{4}=\frac{3-6+12}{4}=\frac{9}{4}$ |
| $\frac{1}{2}-(-2)+\left(-\frac{8}{12}\right)$ | $\frac{1}{2}+2-\frac{2}{3}$ | $\frac{3+12-4}{6}=\frac{11}{6}$ |
| $-\frac{5}{4}+\left(-\frac{30}{20}\right)$ |  |  |
| $\frac{1}{2}+\left(-\frac{4}{10}\right)-\left(+\frac{10}{3}\right)$ |  |  |

11) Completa la tabella per moltiplicare due o più frazioni

| Moltiplicazione <br> tra due o piü frazioni | Se è possibile semplifica | La frazione ha come numeratore il prodotto dei numerato <br> e come denominatore il prodotto dei denominatori |
| :---: | :---: | :---: |
| $-\frac{5}{2} \cdot\left(-\frac{4}{27}\right) \cdot 9$ | $-\frac{5}{2} \cdot\left(-\frac{42}{27}\right) \cdot 9^{1}$ | $+\frac{10}{3}$ |
| $\frac{25}{4} \cdot(-10)$ |  |  |
| $\frac{3}{4} \cdot \frac{4}{3}$ |  |  |
| $\left(-\frac{1}{4}\right) \cdot \frac{4}{3}$ |  |  |

12) Completa la tabella per dividere due frazioni

| Divisione <br> tra due frazioni | Moltiplica la prima frazione per l'inverso della seconda, semplificando se è possibile |
| :---: | :---: |
| $\frac{15}{16}:\left(-\frac{3}{8}\right)$ | $\frac{{ }^{5} 15}{{ }_{2} 16} \cdot\left(-\frac{8^{-1}}{31}\right)=-\frac{5}{2}$ |
| $-\frac{8}{9}: \frac{4}{3}$ |  |
| $-\frac{3}{4}:\left(-\frac{27}{16}\right)$ |  |

## Svolgi almeno DUE dei seguenti problemi a tua scelta:

13) Claudia ha deciso di partecipare alla maratona di New York e per allenarsi prepara una tabella settimanale dove il primo giorno percorre 1 Km e ciascun giorno successivo percorre il doppio dei Km del giorno precedente. Al settimo giorno quanti kilometri dovrà percorrere?
14) In un triangolo, la somma della base e dell'altezza misura 64 cm e la base supera l'altezza di 4 cm . Calcola l'area del triangolo
15) Giacomo possiede il triplo delle figurine rispetto Giovanni. Se Giacomo toglie dal suo mazzo tante figurine quante ne possiede Giovanni, gliene restano 40. Quante figurine possiede ognuno?
16) Una scatola contiene 40 cioccolatini. Il rapporto tra quelli con il cioccolato al latte e quelli con il cioccolato fondente è di 3 a 5 . Quanti cioccolatini ci sono per ogni tipo?

Rispondi ai seguenti quesiti tratti dalle prove INVALSI motivando sempre la tua risposta.

| 17$)$ | Quale è il perimetro di un quadrato la cui area è di $100 \mathrm{~m}^{2} ?$ |
| :--- | :--- |
| Risposta__man |  |
| Scrivi il procedimento che hai seguito. |  |


| 18) | Su una carta stradale due località sono distanti 3 cm . Sapendo che la scala della carta è di $1: 1500000$, a quale distanza si trovano le due località? A. $\quad 4,5 \mathrm{~km}$ B. 15 km C. 45 km D. 450 km |
| :---: | :---: |
| 19) | Il seguente grafico rappresenta la popolazione residente in Italia (espressa in migliaia) nei censimenti dal 1911 al 2001: <br> Censimenti 1911-2001, migliaia di persone <br> Fonte: Istat <br> Quale delle seguenti affermazioni è vera? A. I censimenti sono stati attuati regolarmente ogni dieci anni. B. La popolazione è rimasta invariata negli ultimi tre censimenti. C. La popolazione nel decennio 1911-1921 è aumentata di circa quattro milioni di persone. D. Dal 1936 al 1951 la popolazione è aumentata di più di 5 milioni di persone. |
| 20) | Piero e Giorgio partono per una breve vacanza. Decidono che Piero pagherà per il cibo e Giorgio per l'alloggio. Questo è il riepilogo delle spese che ciascuno di loro ha sostenuto: <br> Al ritorno fanno i conti per dividere in parti uguali le spese. <br> a) Quanti euro deve dare Piero a Giorgio per far sì che entrambi abbiano speso la stessa somma di denaro? <br> Risposta: $\qquad$ euro <br> b) Scrivi i calcoli che hai fatto per trovare la risposta: $\qquad$ $\qquad$ $\qquad$ |


| 21) | In una grande libreria gli impiegati sono così su |  |
| :---: | :---: | :---: |
|  | Mansione | Numero di <br> impiegati |
|  | Magazzinieri | $?$ |
| Cassieri | 4 |  |
| Venditori | 8 |  |
| Contabili | 2 |  |



Qual è il numero dei magazzinieri?
Risposta $\qquad$

Scrivi il procedimento che hai seguito.
22) In un'indagine sul numero di gelati consumati a Ferragosto sono state intervistate 100 persone. La seguente tabella registra le risposte.

| Numero gelati | Numero persone |
| :---: | :---: |
| 0 | 9 |
| 1 | 53 |
| 2 | 21 |
| 3 | 15 |
| 4 | 0 |
| 5 | 2 |

a) Quanti intervistati hanno mangiato almeno 2 gelati?
A. 15
B. 17
C. 21
D. 38


