共通テスト英語リーディング 一問一答

読解ミニ問題：数字と条件

条件を1つずつ当てはめます。「ただし」「以上・未満」に印を。

37
問・解説つき

1問1〜2分。時間を計って10問ずつ解き、後ろの解答・解説で確かめます。間違えた問題は、根拠の語句に線を引いてもう一度。

問題

1 割引が付く物と付かない物を分ける

City Pool Fees: Adults pay 600 yen and students pay 400 yen. Children under six are free. After 5:00 p.m., every ticket is half price. A locker costs 100 yen per person at any time. The pool is open from 9:00 a.m. to 8:00 p.m. every day except Monday.

Two high school students enter the pool at 6:00 p.m., and each of them uses a locker. How much do they pay in total?

① 400 yen
② 500 yen
③ 600 yen
④ 1,000 yen

2 到着の期限から逆算して便を選ぶ

The shuttle bus to the airport leaves the hotel every 40 minutes, starting at 6:00 a.m. The ride takes 25 minutes. Passengers on international flights should arrive at the airport at least two hours before departure. Seats cannot be reserved, so please come to the front door early.

Ms. Lee's international flight departs at 10:30 a.m. What is the latest bus she can take from the hotel?

① The 8:00 bus
② The 8:20 bus
③ The 8:40 bus
④ The 9:00 bus

3 団体割引の条件と対象を確かめて計算する

Pottery Workshop: The fee is 2,500 yen per person. Groups of four or more get 20% off the fee. Clay and tools are included, but sending your finished cup home costs 500 yen for each cup. Classes start at 10:00 and 2:00 on weekends.

Five friends join the workshop together, and two of them have their cups sent home. How much does the group pay in all?

① 9,000 yen
② 10,000 yen
③ 10,500 yen
④ 11,000 yen

4 物ごとに違う期限を別々に計算する

Media Club Rules: Members can borrow a camera for 14 days and a tripod for 7 days. You may extend the period once for 7 more days if nobody else is waiting. A late fee of 10 yen per day is charged for each late item.

Ken borrowed one camera and one tripod on May 1 and did not extend either. The camera was due on May 15 and the tripod on May 8. He returned both on May 18. How much was his late fee?

① 60 yen
② 130 yen
③ 170 yen
④ 200 yen

5 曜日の条件に当てはまるか確かめる

Lucky Bowl Prices: One game is 600 yen for adults and 450 yen for students with a student card. On Wednesdays, every game is 400 yen. Shoe rental costs 300 yen per person on any day. Lanes can be reserved by phone.

A student with a student card plays two games on a Saturday and rents shoes. How much does the student pay?

① 1,200 yen
② 1,350 yen
③ 1,500 yen
④ 1,800 yen

6 複数の条件を1人ずつ当てはめる

English Speech Contest: Open to first- and second-year students who have never lived abroad for more than six months. Speeches must be between three and five minutes long. Applications are due by October 10. Past winners cannot enter again. The contest will be held in the school hall.

Who can enter the contest?

① Aya, a second-year student who won the contest last year
② Ben, a third-year student who has never been abroad
③ Chika, a first-year student who lived in Canada for two years
④ Daiki, a first-year student who spent three months in Australia

7 計算の順序を決める一文を見落とさない

Online Shop Shipping: Shipping costs 500 yen for orders under 3,000 yen and is free for orders of 3,000 yen or more. Members get 10% off the price of all goods. The discount is taken first, and then the shipping fee is decided.

A member orders a T-shirt priced at 3,200 yen. How much does the member pay in total?

① 2,880 yen
② 3,380 yen
③ 3,500 yen
④ 3,700 yen

8 無料になる時間を先に全部引いて計算する

Station Parking: The first 30 minutes are free. After that, the charge is 200 yen for every 30 minutes. The most you will pay for one day is 1,200 yen. Shoppers who spend over 2,000 yen at the station mall get one more hour free.

Mr. Ono parks for two and a half hours and spends 3,000 yen at the mall. How much is his parking charge?

① 0 yen
② 200 yen
③ 400 yen
④ 800 yen

9 どの時刻を基準に引くかを確かめる

Marathon Volunteers: Please arrive 45 minutes before your job begins for a short meeting. Water station staff start at 8:30. Finish line staff start at 10:00. The race starts at 9:00, and roads near the park close at 8:00, so come by train.

By what time should a water station volunteer arrive?

① 7:15
② 7:45
③ 8:15
④ 9:15

10 年齢の区分と往復の条件を当てはめる

Island Ferry: A one-way ticket is 900 yen for adults and 450 yen for children aged 6 to 12. Children under 6 ride free. A round-trip ticket costs 1,600 yen for adults and 800 yen for children. Bicycles cost 300 yen each way.

A father, his 10-year-old daughter, and his 4-year-old son go to the island and come back. They take no bicycles. What is the lowest total they can pay?

① 1,350 yen
② 1,600 yen
③ 2,400 yen
④ 2,700 yen

11 特典の条件に当てはまるか確かめる

Fit Life Gym: The monthly fee is 6,000 yen. New members also pay a joining fee of 3,000 yen in the first month. If you join with a friend in March, neither of you pays the joining fee. Towels can be rented for 100 yen per visit.

Yumi joins the gym alone in April and goes ten times that month, renting a towel each time. How much does she pay for April?

① 7,000 yen
② 9,000 yen
③ 9,100 yen
④ 10,000 yen

12 人数と曜日の2つの条件を当てはめる

Community Hall Rooms: Room A holds up to 12 people and costs 800 yen per hour. Room B holds up to 30 people and costs 1,500 yen per hour. Town residents get half off on weekdays. Rooms must be booked at least three days before use.

A group of 15 town residents wants to use a room for two hours on a Saturday. How much will it cost?

① 1,500 yen
② 1,600 yen
③ 3,000 yen
④ 3,200 yen

13 追加料金が必要な物だけを数えて足す

Dream Park Fun Pass: For 2,000 yen, you can go on any regular ride as many times as you like all day. Thrill rides need an extra 500 yen per ride. The pass is sold only at the gate before noon.

With the pass, Rina goes on four regular rides and two thrill rides. How much does she spend altogether, including the pass?

① 3,000 yen
② 3,500 yen
③ 4,000 yen
④ 5,000 yen

14 セット価格の条件を数量に当てはめる

Bazaar Cookie Sale: One bag of cookies is 150 yen. If you buy three bags, the price is 400 yen. Buy five or more bags and each bag costs only 120 yen. All money will be given to the children's hospital.

Mai wants exactly four bags. What is the least she can pay?

① 480 yen
② 550 yen
③ 600 yen
④ 800 yen

15 時刻を順番に足して終了時刻を出す

Test Day Schedule: The doors open at 8:20. The listening test starts at 9:00 and lasts 30 minutes. After a 15-minute break, the reading test begins and lasts 80 minutes. Students may not leave the room before the end of each test.

What time does the reading test end?

① 10:50
② 11:05
③ 11:15
④ 11:25

16 or higher が境目の数を含むと押さえる

Summer Science Camp: Students aged 15 to 18 may apply. You need a teacher's letter and a science test score of 60 or higher. Students who joined the camp before cannot apply again. The deadline is May 31. The camp lasts one week in August.

Who can apply for the camp?

① Emi, aged 16, who has a teacher's letter and a score of 58

② Go, aged 14, who has a teacher's letter and a score of 75

③ Hana, aged 17, who has a teacher's letter and a score of 60

④ Ichiro, aged 18, who has a teacher's letter and a score of 90 and joined the camp two years ago

17 端数の切り上げと料金の単位を確かめる

Lakeside Boat Rental: A rowboat costs 700 yen for the first 30 minutes and 300 yen for each additional 15 minutes. Life jackets are free. Any part of 15 minutes is charged as a full 15 minutes. Boats are available from 9:00 to 5:00.

Two friends share one rowboat for 50 minutes. How much do they pay?

① 1,300 yen

② 1,600 yen

③ 1,900 yen

④ 2,600 yen

18 必要な数を割り出してから残りを出す

Soccer Club Barbecue Plan: We have a budget of 12,000 yen. Meat packs cost 1,500 yen each, and we need one pack for every four members. Drinks cost 100 yen per member. There are 20 members in our club. Any money left will be used for games.

How much money will be left for games?

① 1,000 yen

② 1,500 yen

③ 2,000 yen

④ 2,500 yen

19 含まれる分を超えた量だけを数える

Mobile Plan S: The basic fee is 1,500 yen a month and includes 3 gigabytes of data. Each extra gigabyte costs 400 yen. Calls are 20 yen per minute. Students get 300 yen off the basic fee every month. You can change plans at any time.

A student used 5 gigabytes of data and made 10 minutes of calls last month. How much was the bill?

① 2,200 yen

② 2,500 yen

③ 2,800 yen

④ 3,400 yen

20 料金と時刻の2つの条件を両方確かめる

Photo Print Shop: Small prints are 30 yen each, and large prints are 100 yen each. If you order 50 or more small prints, they become 20 yen each. Orders placed by noon are ready at 5:00 p.m. the same day; later orders are ready the next morning.

Taro orders 60 small prints and 3 large prints at 2:00 p.m. on Monday. How much does he pay, and when will they be ready?

① 1,500 yen; Monday at 5:00 p.m.
② 2,100 yen; Tuesday morning
③ 2,100 yen; Monday at 5:00 p.m.
④ 1,500 yen; Tuesday morning

21 基準の日と3つの条件を一人ずつ見る

Homestay Program in Canada
Applicants must be 16 or older on the departure day, August 1. They need an English test score of 60 or higher. Students who joined the program last year cannot apply again. A letter from a parent is also required.

All four students below have a letter from a parent. Who can apply?

① Aki, who will turn 16 on August 10 and has a score of 75
② Ben, who is 17 and has a score of 58
③ Chika, who is 17, has a score of 80, and joined last year
④ Dai, who is 16, has a score of 60, and has never joined

22 3つの時間を順番に引いて逆算する

Hi Jun. The concert starts at 6:30, and the doors open 45 minutes before that. It takes 20 minutes to walk from the station to the hall. I want to be in line 10 minutes before the doors open, so let's meet at the station. Don't be late! — Rio

By what time should they leave the station?

① 5:15
② 5:25
③ 5:35
④ 5:45

23 割引の順序と対象外の品を確かめる

Shoe Sale at Step House
All shoes are 20% off this weekend. If you buy two pairs or more, you get another 500 yen off the total. Shoe bags are not on sale and cost 300 yen each. The sale ends at 7:00 p.m. on Sunday.

On Saturday, Ms. Ito buys two pairs of shoes with regular prices of 3,000 yen and 2,000 yen, and one shoe bag. How much does she pay?

① 3,500 yen
② 3,740 yen
③ 3,800 yen
④ 4,300 yen

24 乗り換えの待ち時間を入れて計算する

Trip Plan to Lake Aoi
Take the 8:10 train from Chuo Station. The ride takes 1 hour and 25 minutes. At Aoi Station, change to the lake bus, which leaves at 00 and 30 minutes past every hour. The bus ride takes 15 minutes.

If they follow the plan, what time will they arrive at the lake?

① 9:50
② 10:00
③ 10:15
④ 10:45

25 割合と「半分」を人数に直して計算する

Survey Report
We asked 80 students about their favorite season during lunch break in May. Summer was chosen by 40% of them. Winter got half as many votes as summer. Spring got 14 votes, and all the other students chose fall.

How many students chose fall?

① 18 students
② 24 students
③ 26 students
④ 34 students

26 人数に先生も入れて団体の条件を見る

Science Museum Admission
Adults pay 800 yen and students pay 500 yen. Groups of 10 or more people get 100 yen off each ticket. The special dinosaur show costs 200 yen extra per person and has no group discount. The museum is closed on Mondays.

A teacher takes 11 students to the museum, and all twelve see the special show. How much do they pay in total?

① 5,100 yen
② 6,300 yen
③ 7,300 yen
④ 7,500 yen

27 まとめ買いの条件と一部の追加を分ける

School Festival T-shirts
One shirt costs 1,200 yen. If a class orders 30 shirts or more, the price goes down to 1,000 yen each. Printing a name on the back costs 200 yen per shirt. Orders must be made by June 20.

Class 2-A orders 32 shirts, and 10 of them have names printed on the back. How much does the class pay in total?

① 32,000 yen
② 34,000 yen
③ 38,400 yen
④ 40,400 yen

28 端数を捨ててから2倍の条件を使う

Green Leaf Tea Shop Stamp Card
You get one stamp for every 500 yen you spend in one visit. Amounts under 500 yen are not counted. On rainy days, stamps are doubled. Ten stamps can be exchanged for a free cup of tea.

Mr. Oka spends 1,800 yen in one visit on a rainy day. How many stamps does he get?

① 2 stamps
② 3 stamps
③ 4 stamps
④ 6 stamps

29 売上から全部の費用を引いて残りを出す

Charity Concert Report
We sold 120 adult tickets at 500 yen each and 80 student tickets at 300 yen each. Renting the hall cost 30,000 yen, and posters cost 4,000 yen. All the money left after these costs was given to the animal shelter.

How much money was given to the animal shelter?

① 46,000 yen
② 50,000 yen
③ 54,000 yen
④ 84,000 yen

30 合計ではなく差を問われたと確かめる

Kita Line Day Pass
A day pass costs 800 yen and allows you to ride as many times as you like in one day. A single ride costs 230 yen. The pass is sold at ticket machines and cannot be used on express trains.

Mr. Hara will take four single rides on the Kita Line in one day. How much will he save if he buys a day pass instead?

① 120 yen
② 230 yen
③ 800 yen
④ 920 yen

31 問われた時点がどれかを確かめる

Hi all,
The drama club rehearsal on Friday will be 30 minutes longer than usual because of the costume check. We usually finish at 5:45. Cleaning the stage takes another 15 minutes after that, and the school gate closes at 6:45. — Ms. Doi

What time will the members finish cleaning the stage on Friday?

① 6:15
② 6:30
③ 6:45
④ 7:00

32 去年と今年の数字を区別して計算する

Report on Club Membership
Our school has 600 students. Last year, 55% of them belonged to a sports club. This year, the number of sports club members has risen by 30. Culture clubs have 180 members this year, and no student belongs to two clubs.

How many students do not belong to any club this year?

① 30 students
② 45 students
③ 60 students
④ 90 students

33 1室の料金か1人の料金かを確かめる

Pine Hostel Rates
A private room is 7,000 yen per night for up to two people. Breakfast is 500 yen per person per day. If you stay three nights or more, the room is free on the last night. Breakfast is not included in this offer.

Two friends share one private room for three nights, and both have breakfast three times. How much do they pay in total?

① 14,000 yen
② 15,000 yen
③ 16,000 yen
④ 17,000 yen

34 箱の単位で買う時は切り上げて数える

Art Project Plan
The wall is 6 meters long and 2 meters high. We will cover it with tiles, and four tiles are needed for each square meter. Tiles are sold only in boxes of ten, and one box costs 400 yen.

How much will the class spend on tiles?

① 1,920 yen
② 2,000 yen
③ 2,400 yen
④ 4,800 yen

35 乗れる便を確かめてから所要時間を足す

Hi Dad. Practice ends at 5:30 today, but I need 15 minutes to change. The bus home leaves the school at 5:40 and 6:10, and it takes 25 minutes. Could you pick me up at the bus stop near our house? — Kai

What time will Kai arrive at the bus stop near his house?

① 6:05
② 6:35
③ 6:40
④ 7:00

36 時刻がどの割引の区分に入るか見る

Kiku Mart Evening Sale
After 7:00 p.m., all lunch boxes are 30% off. After 8:00 p.m., they are half price. Drinks are never discounted. Sale prices are shown on yellow stickers. Members also get one point for each purchase. The store closes at 9:00 p.m.

At 7:30 p.m., Yuji buys a lunch box with a regular price of 500 yen and a 120-yen drink. How much does he pay?

① 370 yen
② 434 yen
③ 470 yen
④ 620 yen

37 時間の重なりを確かめて料金を出す

Weekend Art Classes
Painting is on Saturdays from 10:00 to 11:30, and calligraphy is on Saturdays from 11:00 to 12:30. Photography is on Sundays from 1:00 to 3:00. Each class is 2,000 yen a month, but your second class is half price.

Ken wants to take painting and one more class whose time does not overlap with it. How much will he pay a month?

① 2,000 yen
② 2,500 yen
③ 3,000 yen
④ 4,000 yen

解答・解説

1 ③ 午後5時より後なので入場料は半額で、400÷2＝200円。2人で400円。ロッカーは at any time で割引がなく、100×2＝200円。合計600円。1はロッカー代を忘れた額、4は半額にしていない額。

2 ① 出発の2時間前の8:30までに空港に着く必要がある。バスは6:00、6:40、7:20、8:00、8:40発。8:00発は8:25着で間に合い、8:40発は9:05着で遅い。8:20発と9:00発のバスは無い。

3 ④ 5人は4人以上なので参加費は2割引き。2,500×5＝12,500円、その8割で10,000円。送料は割引の対象外で500×2＝1,000円。合計11,000円。2は送料を忘れた額。

4 ② カメラは5月15日が期限で3日遅れ、30円。三脚は5月8日が期限で10日遅れ、100円。for each late item なので別々に数えて合計130円。1は両方を3日遅れとした額。

5 ① 土曜日なので水曜日の400円は使えない。学生料金450×2＝900円に、靴の300円（1人1回分）を足して1,200円。3は大人料金600×2＋300で計算した額。

6 ④ 条件は、1・2年生、海外に住んだ期間が6か月以内、過去の優勝者ではないこと。Daiki は1年生で3か月なので出られる。Aya は優勝者、Ben は3年生、Chika は2年間住んだので出られない。

7 ② 会員は1割引きで、3,200×0.9＝2,880円。The discount is taken first とあるので、割引後の額で送料を決める。3,000円未満なので送料500円がかかり、合計3,380円。1は送料無料と考えた間違い。

8 ③ 駐車は150分。最初の30分と、買い物による1時間を合わせて90分が無料。残りの60分は30分ごとに200円なので400円。4は買い物の1時間無料を入れ忘れた額（120分で800円）。

9 ② 基準は your job begins（自分の仕事が始まる時刻）。給水所の係は8:30開始なので、その45分前の7:45。3はレース開始の9:00から、4はゴール係の10:00から45分を引いた時刻。

10 ③ 往復なので往復券が安い。父1,600円、10歳の娘は子ども料金で800円、4歳の息子は6歳未満で無料。合計2,400円。4は片道券を2回ずつ買った額、1は片道だけの額。

11 ④ 入会金が無料になるのは「3月に友達と入会」の場合だけ。4月に一人で入るので、月会費6,000円＋入会金3,000円。タオルは100×10＝1,000円。合計10,000円。1は入会金を無料とした額。

12 ③ 15人なので、12人までの Room A は使えず、Room B を選ぶ。土曜日は平日ではないので、町民の半額は使えない。1,500×2時間＝3,000円。1は半額にした額、2は Room A で計算した額。

13 ① パス2,000円で regular ride は何回でも乗れるので、4回分の追加料金は無い。thrill ride は1回500円の追加で、500×2＝1,000円。合計3,000円。4は6回すべてに500円を足した額。

14 ② 4袋は、3袋セット400円＋1袋150円＝550円が一番安い。1袋ずつ買うと150×4＝600円。1袋120円になるのは5袋以上のときだけなので、120×4＝480円にはならない。

15 ② リスニングは9:00から30分で9:30に終わる。15分の休みの後、9:45にリーディングが始まり、80分後の11:05に終わる。1は休みの15分を入れ忘れた時刻。8:20は開場の時刻で、計算に使わない。

16 ③ 60 or higher は60点を含むので、17歳で手紙もある Hana は申し込める。Emi は58点で足りない。Go は14歳で年齢が足りない。Ichiro は前に参加したので申し込めない。

17 ① 最初の30分が700円。残りの20分は、15分に満たない分も15分として数えるので2回分で、300×2＝600円。合計1,300円。料金はボート1そう当たりなので、2人でも2倍（2,600円）にはならない。

18 ④ 肉は4人に1パックなので20÷4＝5パックで、1,500×5＝7,500円。飲み物は100×20＝2,000円。合計9,500円を予算12,000円から引くと、残りは2,500円。

19 ① 基本料金は学生割引で1,500−300＝1,200円。データは3ギガを超えた2ギガ分で400×2＝800円。通話は20×10＝200円。合計2,200円。2は学生割引を入れ忘れた額。

20 ④ 小は50枚以上なので1枚20円になり、20×60＝1,200円。大は100×3＝300円で、合計1,500円。注文は正午より後の午後2時なので、受け取りは翌日の火曜の朝。2,100円は小を30円で計算した額。

21 ④ Aki は出発日の8月1日にはまだ15歳。Ben は58点で60点に足りない。Chika は去年参加している。Dai は16歳で、60点は 60 or higher に含まれるので応募できる。

22 ① 開場は6:30の45分前で5:45。その10分前の5:35には列に並びたい。駅から20分かかるので、5:35の20分前の5:15に駅を出る。2は「10分前」を引き忘れた時刻。

23 ③ 靴は2割引きで（3,000＋2,000）×0.8＝4,000円。2足なのでさらに500円引いて3,500円。袋は割引の対象外で300円。合計3,800円。1は袋を忘れた額、4は500円を引き忘れた額。

24 ③ 8:10発で1時間25分かかるので、駅に着くのは9:35。バスは毎時00分と30分に出るので、次は10:00発。15分乗って10:15に着く。1はバスを待つ時間を忘れた時刻。

25 ① 夏は80人の40%で32人。冬はその半分で16人。春は14人。32＋16＋14＝62人なので、秋は80−62＝18人。4は冬の16人を引き忘れた数。

26 ④ 先生1人と生徒11人で12人なので団体割引が使える。大人700円＋生徒400円×11＝5,100円。特別ショーは割引が無く200円×12＝2,400円。合計7,500円。1はショーの料金を忘れた額。

27 ② 32枚は30枚以上なので1枚1,000円になり、32,000円。名前の印刷は10枚だけで200×10＝2,000円。合計34,000円。1は印刷代を忘れた額、4は1,200円のまま計算した額。

28 ④ 1,000円で大に500円は2回分なり、残りの300円は数

忘れた数、3は残りの300円も1個と数えた数。

29 ② 売上は500×120＝60,000円と300×80＝24,000円で、合計84,000円。費用は30,000＋4,000＝34,000円。差の50,000円を寄付した。3はポスター代を引き忘れた額、4は売上の全額。

30 ① 1回230円で4回乗ると230×4＝920円。1日券は800円なので、920−800＝120円得をする。4は4回分の合計、3は1日券の値段で、どちらも差を出していない。

31 ② いつもは5:45に終わるが、金曜日は30分長いので6:15。その後の掃除に15分かかるので、終わるのは6:30。1は練習が終わる時刻、3は門が閉まる時刻。

32 ③ 去年の運動部は600人の55%で330人。今年は30人増えて360人。文化部は180人で、重なりは無いので合計540人。600−540＝60人。4は去年の330人のまま計算した数。

33 ④ 3泊なので最後の1泊の部屋代は無料。部屋は1室7,000円×2泊＝14,000円。朝食は対象外で500×2人×3回＝3,000円。合計17,000円。1は朝食を忘れた額。

34 ② 壁は6×2＝12平方メートル。1平方メートルに4枚なので12×4＝48枚。10枚入りの箱は5箱必要で、400×5＝2,000円。1は48枚を1枚40円として計算した額。

35 ② 5:30に終わり、着替えに15分かかるので、出られるのは5:45。5:40のバスには乗れず、次の6:10に乗る。25分かかるので6:35に着く。1は5:40のバスに乗れたとした時刻。

36 ③ 午後7:30は7時より後で8時より前なので、弁当は3割引き。500×0.7＝350円。飲み物は割引が無く120円。合計470円。1は半額で計算した額、2は飲み物も3割引きにした額。

37 ③ 土曜日の絵画（10:00〜11:30）と書道（11:00〜12:30）は時間が重なる。重ならないのは日曜日の写真。2,000円＋半額の1,000円＝3,000円。4は半額にしていない額。

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