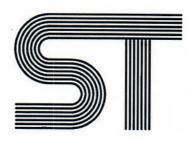
STIRLING TUITION SEAG Entrance Assessment



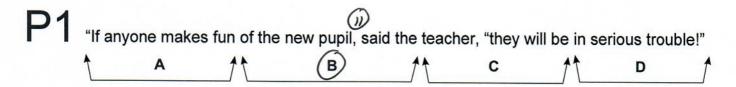
STIRLING TUITION

Practice Paper 23

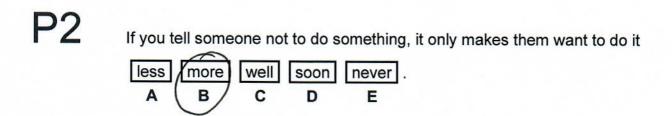
(Cut Answer Sheet from Back Page)

English – Practice Test

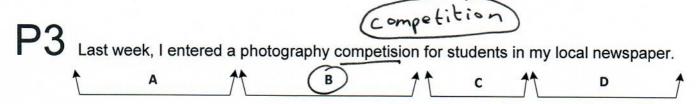
In this question there is either **one** punctuation mistake or **no** punctuation mistake. Find the group of words with the mistake in it and mark its letter on your answer sheet. **If there is no mistake, mark N**.



In this question you have to choose the **best** word to complete the sentence, so that it makes sense and is written in correct English. Choose the **best** answer and mark its letter on your answer sheet.



In this question there is either **one** spelling mistake or **no** spelling mistake. Find the group of words with the mistake in it and mark its letter on your answer sheet. **If there is no mistake, mark N.**



Read this passage to yourself.

Extract from Black Beauty by Anna Sewell

The first place that I can well remember was a pleasant meadow with a pond of clear water in it.

gate at our master's house, which stood by the roadside. While I was young I lived upon my mother's milk, as I could not eat grass.

Answer this question. Choose **one** answer from the options below and mark its letter on your answer sheet.

P4

Which of the following is true about the meadow?

- A A clear stream runs through it.
- B It is beside the road.
- C The narrator has no memory of it.
- D It is between a field and the master's house.
- E It is surrounded by a high fence.

For this question, you have to write your answer in the box provided on your answer sheet (box P5).

P5

Which one word from the passage means the same as "nice"?

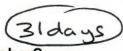




Maths - Practice Test

P6

Josie eats 12 pieces of fruit each day.



How many pieces of fruit will she eat in October?

A 151

B 31

C 372

D 30

E 360

×12 62 + 310

P7

127.63 +£5.33



761

× 13 123 410 5:33

Jen's mobile phone contract costs £22.30 each month. Every month she can send 220 free text messages. Each extra message sent costs 13p. In January she sent 261 messages.

How much does Jen pay in total for her contract for the month of January?

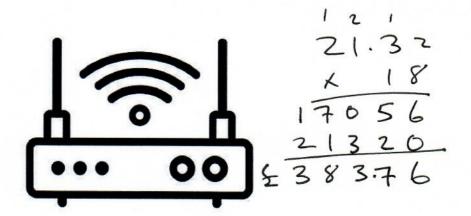


B £22.43

C £28.76

D £5.33

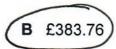
E £7.39



Albie pays £21.32 each month for his broadband.

How much in total does he pay for broadband in 1 and a half years?

A £255.84



C £31.98

D £213.20

E £19.46

For these questions you have to write your answers in the boxes provided on your answer sheet (box P9 and P10). The units of measurement have been given. 603 = 180 + 6 = 186

P9

13:53 Mr Stirling begins the workday at 10:47 am. He finished his workday at 1:53 pm.

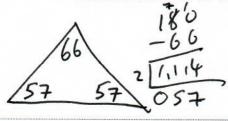
For how many minutes was Mr Stirling at work?

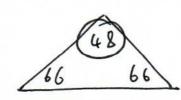
13:53

P10

One angle in an isosceles triangle is 66°.

What is the size of the smallest possible angle in this triangle?



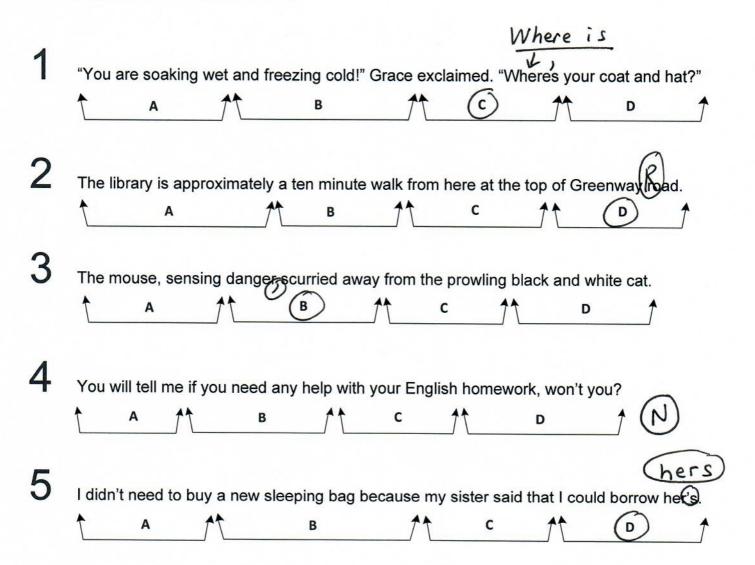


48°

English – Main Test

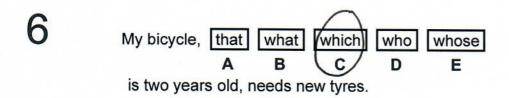
In this exercise there are some mistakes with **punctuation** or use of **capital letters**. On each numbered line there is either **one** mistake or **no** mistake. Find the group of words with the mistake in it and **mark its letter on your answer sheet**. **If there is no mistake, mark N.**

Punctuation Exercise



In this exercise you have to choose the **best** word, or **group of words**, to complete each numbered line so that the passage makes sense and is written in correct English. Choose the best answer and **mark its letter on your answer sheet**.

Grammar Exercise

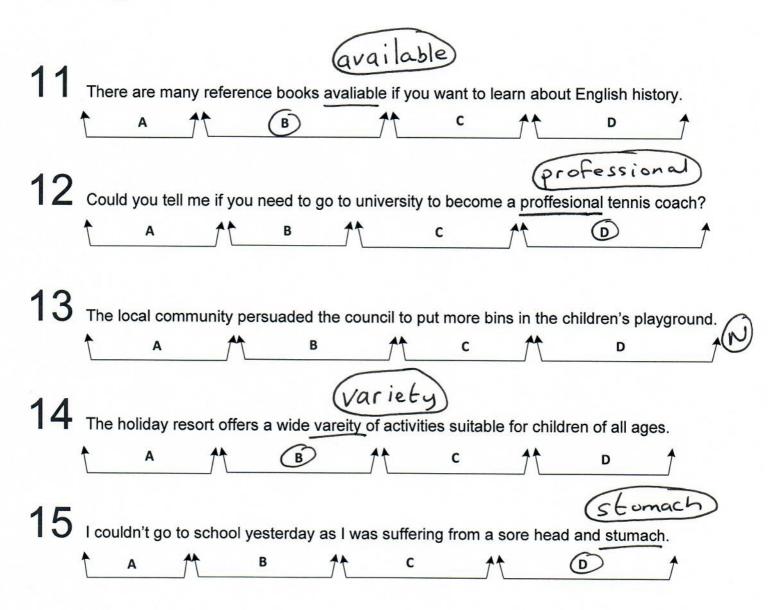


- The old horse plodded along about between in around the quiet country road.
- The wedding photographs took was taken taken were taken were took by a professional photographer.
- Please phone me as as if although since as soon as you get home.
- He finally found a new job after being out of time work money home food for a year.

 A B C D E

In this exercise there are some **spelling** mistakes. On each numbered line there is either **one** mistake or **no** mistake. Find the group of words with the mistake in it and **mark its letter on your answer sheet**. If there is no mistake, mark N.

Spelling Exercise



Read the whole passage carefully, then answer the questions that follow.

Extract from Black Beauty by Anna Sewell

- 1. One night I was lying down in my straw fast asleep, when I was suddenly roused by
- 2. the stable bell ringing very loud. I heard the door of John's house open, and his feet
- 3. running up to the Hall. He was back again in no time; he unlocked the stable door, and
- 4. came in, calling out, "Wake up, Beauty! you must go well now, if ever you did"; and
- 5. almost before I could think, he had got the caddle on my back and the bridle on my
- 6. head. He just ran around for his coat, and then took me at a quick trot up to the Hall
- 7. door. The Squire stood there, with a lamp in his hand. "Now, John," he said, "ride for
- 8. your life—that is, for your mistress life; there is not a moment to lose. Give this note
- 9. to Dr. White; give your horse a rest at the inn, and be back as soon as you can."
- 10. John said, "Yes, sir," and was on my back in a minute. The gardener who lived at the
- 11. lodge had heard the bell ring, and was ready with the gate open, and away we went
- 12. through the park, and through the village, and down the hill till we came to the toll-
- 13. gate. John called very loud and thumped upon the door; the man was soon out and
- 14. flung open the gate.
- 15. "Now," said John, "do you keep the gate open for the doctor; here's the money," and
- 16. off we went again.
- 17. There was before us a long piece of level road by the river-side; John said to me,
- 18. "Now, Beauty, do your best," and so I did; I wanted no whip nor spur, and for two
- 19. miles I galloped as fast I could lay my feet to the ground; I don't believe that my old
- 20. grandfather, who won the race at Newmarket, could have gone faster. When we came
- 21. to the bridge, John pulled me up a little and patted my neck. "Well done, Beauty! good
- 22. old fellow," he said. He would have let me go slower, but my spirit was up, and I was
- 23. off again as fast as before. The air was frosty, the moon was bright; it was very
- 24. pleasant. We came through a village, then through a dark wood, then uphill, then
- 25. downhill, till after an eight miles' run, we came to the town, through the streets and
- 26. into the market-place. It was all quite still except the clatter of my feet on the

Page 9

Please go onto the next page >>>

- stones—everybody was asleep. The church clock struck three as we drew up at Dr.
- 28. White's door. John rang the bell twice, and then knocked at the door like thunder. A
- 29. window was thrown up, and the doctor, in his night-cap, put his head out and said,
- 30. "What do you want?"
- 31. "Mrs. Gordon is very ill, sir; master wants you to go at once; he thinks she will die if
- 32. you cannot get there. Here is a note."
- 33. "Wait," he said, "I will come."
- 34. He shut the window and was soon at the door. "The worst of it is," he said, "that my
- 35. horse has been out all day, and is quite done up; my son has just been sent for, and he
- 36. has taken the other. What is to be done? Can I have your horse?"
- 37. "He has come at a gallop nearly all the way, sir, and I was to give him a rest here; but I
- 38. think my master would not be against it, if you think fit, sir."
- 39. "All right," he said; "I will soon be ready."
- 40. John stood by me and stroked my neck. I was very hot. The doctor came out with his
- 41. riding-whip. "You need not take that, sir," said John; "Black Beauty will go till he drops.
- 42. Take care of him, sir, if you can; I should not like any harm to come to him."
- 43. "No, no, John," said the doctor, "I hope not," and in a minute we had left John far
- 44. behind.

Please answer these questions. (Look at the passage again if you need to.) You should choose the **best** answer and mark its letter on your answer sheet.

Based on what you have read in the passage, who is the narrator?

- A John
- B A horse
- C The Squire
- D Dr. White
- E An unknown narrator
- 17

Look at lines 1 - 9. What could happen if John does not follow the Squire's orders?

- A The Squire will be angry with John.
- B John could die.
- C The mistress could die.
- D The mistress will be angry with John.
- E The horse could die.
- 18

Which of these statements is true about John and Beauty's journey from the toll-bridge to the town?

- A It is all uphill.
- B Beauty goes more slowly.
- C It is a journey of 8 miles.
- D It is all downhill.
- E It is a journey of 2 miles.
- 19

"it was very pleasant" (lines 23-24). Why does the narrator describe the night as "pleasant"?

- A It is warm and bright.
- B It is cold and dark.
- C The moon is very beautiful.
- D The stars are very beautiful.
- (E) It is cold and bright

Which of these literary techniques is being used in line 26?

- A simile
- **B** metaphor
- C alliteration
- Donomatopoeia
 - E personification
- 21

Look at lines 34 – 38. What is the meaning of the phrase "done up" in relation to the doctor's horse?

- A ill
- B badly behaved
- © exhausted
 - **D** hungry
 - E lost
- 22

What is the effect of the repetition of the word "soon" in lines 27 - 40?

- A It shows that the doctor wants to get back to bed soon.
- B It shows that the doctor is annoyed to have been woken up.
- C It shows that the doctor is impatient.
- D It shows that the doctor wants to get paid.
- E It shows that the doctor knows that the situation is urgent.

For these questions you have to **write your answers**, neatly, in the boxes provided on your answer sheet.

23

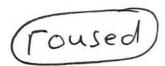
Which TWO pieces of horse riding equipment are mentioned in paragraph 1?

Saddle and Bridle

24

What time do John and Beauty arrive at the doctor's house?

30'Clock in the morning



Which word in line 26 means the same as "quiet"?



27

Which one part of speech are the following as they appear in the passage?

loud (line 13) very (line 23) quite (line 26) nearly (line 37)



28

What part of speech is "rest" as it appears in the passage? (line 9)

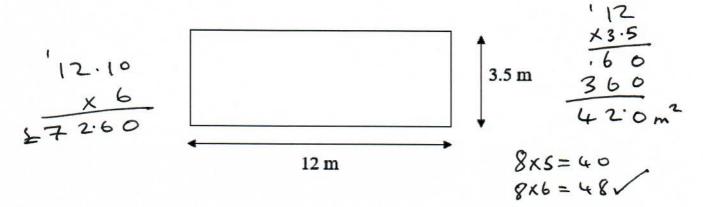


Maths - Main Test

29

Sarah is buying grass seed for her garden.

Her garden is a rectangle which measures 12 m by 3.5 m, as shown in the diagram below. It costs £12.10 for a packet of grass seed to cover 8 m^2 .

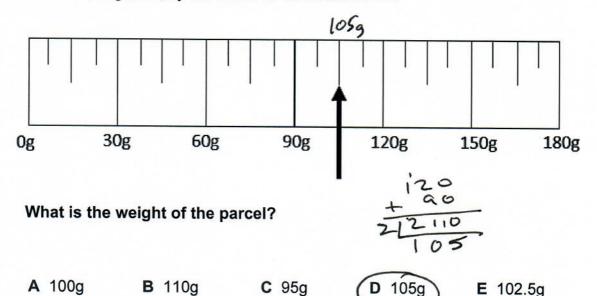


How much will it cost Sarah to buy the grass seed for the whole garden?

- A £48.40
- B £60.50
- C £24.20
- D £36.30
- E £72.60

30

Steven goes to the post office to weigh a parcel for postage. The weight of the parcel is shown, in grams, by the arrow on the scale below.



Page 14

Mrs Gordon has a class of 37 pupils. She wants to give each pupil three leaving presents. The presents come in packets of 14.

What is the smallest number of packets Mrs Gordon must buy?

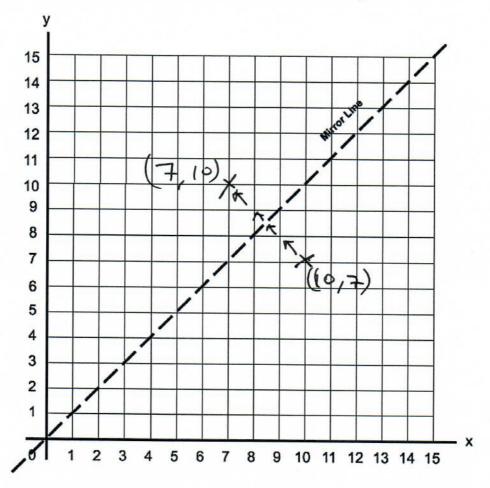
B 6

C 14

D 7

32

Look at the grid below. A mirror line is drawn on the grid.



The point with coordinates (10, 7) is reflected in the mirror line shown.

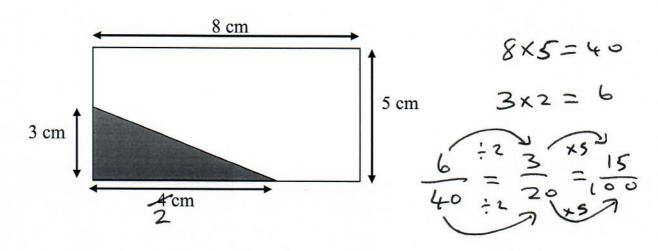
What are the coordinates of the reflection of this point?

A (10,13) (B (7,

-	-
(B	(7,10)
-	

C (9,10) **D** (4,7)

E (8,10)



What percentage of the rectangle has been shaded?

15%.

- A 33%
- **B** 20%
- C 15%
- D 25%
- E 30%

34

Nine out of thirty people said athletics was their favourite sport.

What is the size of the angle which would represent this on a pie chart?

- **B** 9°
- **C** 360°
- **D** 30°
- E 139°



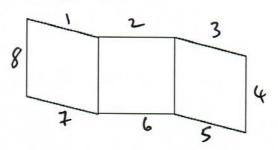
35

How many more minutes are there in the month of April than in the month of February in a leap year? 30-29=100

- A 2880
- **B** 24
- C 4320
- **D** 48
- E 1440

Look at the shape below. It is made from two rhombuses and a square.

The perimeter of the shape is 44cm.



What is the length of two sides of the square?

A 88

B 8.5

C 5.5



E 22

37

A group of people are waiting at a bus stop. A bus arrives and 24 people get on the bus. There is now two thirds fewer people waiting at the bus stop. 24-2=12

12×3=36

How many people were waiting at the bus stop just before the bus arrived?

A 16

B 8

C 24

D 30

(E 36) $\times \frac{36}{3} = 24$

Look at the cube below. The total surface area of the cube is 54 cm².



6154

9x2=18

What is the area of the top and bottom of the cube?

A 30cm²

B 9cm²

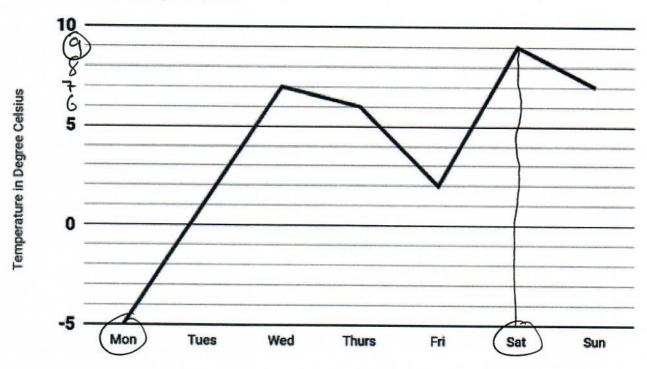


D 15cm²

E 27cm²

Sam and his friend Graham go to New York during Winter to visit old school friends. Below is a line graph showing the temperature over the week.

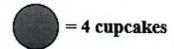
Temperature Graph For New York



What was the difference in temperature between Monday and Saturday?

The pictogram below shows the number of cupcakes eaten by four friends during the holidays.

Friend 1	
Friend 2	
Friend 3	4 4 4 = 21
Friend 4	= 5



How many more cupcakes did friend 3 eat than friend 4?

 $-\frac{21}{16}$

A 10

B 15

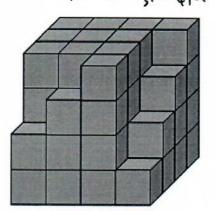


D 8

E 20

41

Look at the shape below. It is made up of small identical cubes. The length of each side of a small cube is 1cm. 15th 2nd 2rd 6th



$$1^{5} = 2$$
 $2^{9} = 1$
 $3^{9} = 0$
 $4^{4} = 6 + 9$

How many more of the small cubes should be added to make a new shape which has a volume of 64cm³?

A 7



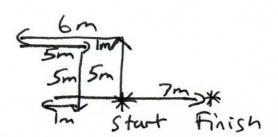
C 8

D 11

E 10

Jacob goes to a theme park which has a maze. He enters the maze and uses the directions in the order given below to reach the exit.

- North for 5 m
- · West for 6 m
- East for 5 m
- South for 5 m
- West for 1 m
- East for 7 m



How may metres East is the exit from the entrance?

A 2m



C 8m

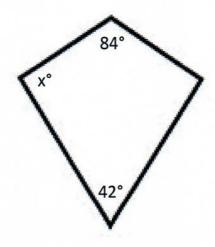
D 6m

E 12m



43

Look at the kite below.



+42 126 -126 2 12314

What is the value of x?

A 27°

B 187°

C 234°

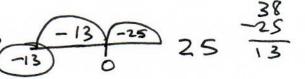


E 54°



Calvin's bank account shows positive numbers, for example +£10, when he has £10 in his account. His bank account shows negative numbers, for example -£10, when he owes £10 to the bank. On Friday, the Calvin's bank account shows +£25. He withdraws £38 from his bank account.

What will Calvin's bank account now show?



A +£63

B +£13

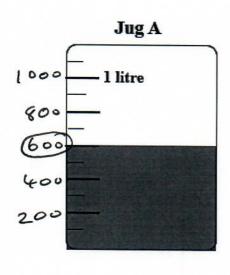
C -£63

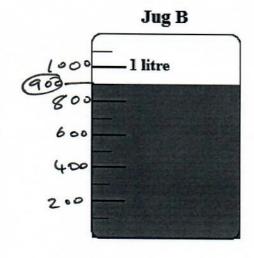
D -£38

E -£13

45

Jug A holds milk and Jug B holds water.





900

How much more water is there than milk?

A 250ml

B 200ml

C 150ml



E 350ml

How many millimetres are there in 0.041 kilometres?

0.041.x1000 = 41mx100 = 4100mx10 = 41000mm

47

Look at the seven positive numbers below.

13 10

The range of these seven numbers is 14.

What is the value of x?

A 16

B 19 C 17 D 14



48

Look at the equations below.

$$15 \div b = 5$$

$$12 - c = 7$$

$$12-c=7$$
 $12-7=5$ $C=5$

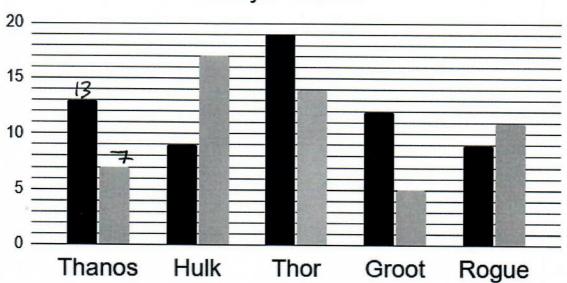
What is the value of b x c?

A 464 B 375 (C 15)

D 57 E 1425

Below is a bar chart showing the results of a survey to see girls and boys favourite marvel character in a class.





How many more boys choose Thanos than girls?

A 7

B 13

C 8

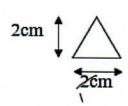


E 20

50

Look at the two isosceles triangles below.

6cm (2) (6 78) (6 78) (7 78) (



How many of the smaller triangles fit exactly into the larger triangle above, with no space left over?

A 18



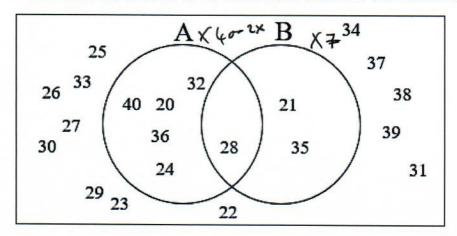
C 6

D 3

E 8

For questions 51-56, you have to write your answers in the boxes provided on your answer sheet. The units of measurement have been given.

51 All the numbers from 20 to 40 have been written in the Venn Diagram below.



Set A and Set B each contain multiples of a different number.

Set A contains multiples of the number X4 or X2

Set B contains multiples of the number ____X 7

52

Look at the statements below

$$0.4 = \frac{A}{45}$$

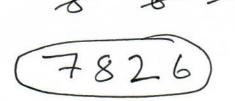
$$\frac{9}{10} = \frac{72}{80}$$

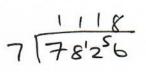
What numbers do the letter A and B need to be the make the statements correct?

The digits 8, 6, 7 and 2 can be arranged to make a 4-digit number. For example, the number 8672 can be made from these digits.

Using these digits, write down a number greater than 7800 but less than 7830

and a multiple of 7.





Look at the three calculations below. Each calculation is missing one of the following mathematical symbols:

+ X

Choose a mathematical symbol from above to insert into each box (A,B,C) below to make the calculation correct.

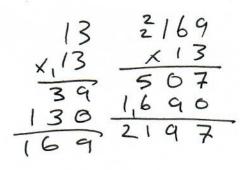
217 189

29 1421

123

John calculates the value of 133.

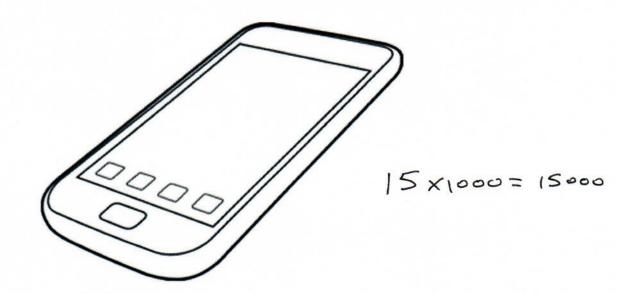
What answer should he get if he is correct?



(2197)

56

A smartphone has 15 gigabytes (GB) of storage space for photos. Each photo uses 25 megabytes (MB) of storage space.



If 1 GB = 1000 MB, what is the maximum number of phots that can be stored on the smart phone?

600

5 03³0 0 0 5 15 00 0