

STIRLING TUITION
SEAG
Entrance Assessment



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Practice Paper 3

(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.**

P1

Roald Dahl – who wrote over forty books for children ^{hyphen} is my favourite author.

A B C D

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.

P2

This These Some That Which

A B C D E

shoes are too small, do you have them in a larger size?

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.**

P3

All the other students are ^{jealous} jellous of Lily because she got the lead part in the school play.

A B C D

Read this passage to yourself.

"I am the Happy Prince."

"Why are you weeping then?" asked the Swallow; "you have quite drenched me."

"When I was alive and had a human heart," answered the statue, "I did not know what tears were, for I lived in the Palace of Sans Souci, where sorrow is not allowed to enter. In the daytime I

played with my companions in the garden, and in the evening I led the dance in the Great Hall.

Round the garden ran a very lofty wall, but I never cared to ask what lay beyond it, everything about me was so beautiful. My courtiers called me the Happy Prince, and happy indeed I was, if pleasure be happiness. So I lived, and so I died. And now that I am dead they have set me up here so high that I can see all the ugliness and all the misery of my city, and though my heart is made of lead yet I cannot choose but weep."

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 why the Happy Prince is sad?

- A He is sad because misses the Palace of Sans Souci.
- B He is sad because misses his friends.
- C He is sad because he can see all the misery of the city.**
- D He is sad because he is dead.
- E He is sad because his heart is made of lead.

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 "to cry"?

Weep



Maths – Practice Test

P6

What time is it 3 hours 18 mins before midnight in 12 hour clock?

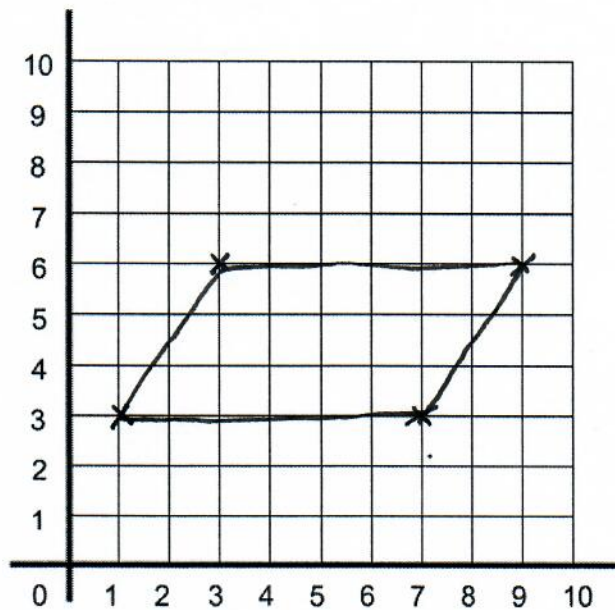
- A 9:42pm **B 8:42pm** C 21:42 D 8:42am E 20:42

12:00am

$$\begin{array}{r} 12:00 \\ - 3:18 \\ \hline 8:42 \text{ pm} \end{array}$$

P7

Plot the points (1, 3), (3, 6), (9, 6) and (7, 3) in order on the grid below. These points are the corners of a quadrilateral.



What is the name of the quadrilateral that is in the grid above?

- A Parallelogram** B Rhombus C Trapezium D Rectangle E Kite

P8

A group of friends have dinner in a restaurant. They all have a starter and a main course. All starters cost £5 and all main courses cost £11. The total bill is £144.

How many people are in the group?

$$11 + 5 = 16$$

$$144 \div 16 = 9$$

$$\begin{array}{r} 9 \\ 4 \overline{) 036} \\ \underline{4 0} \\ 36 \\ \underline{4 0} \\ 36 \\ \underline{4 0} \\ 0 \end{array}$$

A 12

B 5

C 11

D 8

E 9

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.

P9

Clare sees some paint on sale for £9.55 for 1.25 Litres.

How much would it cost for 1 Litre of the paint?

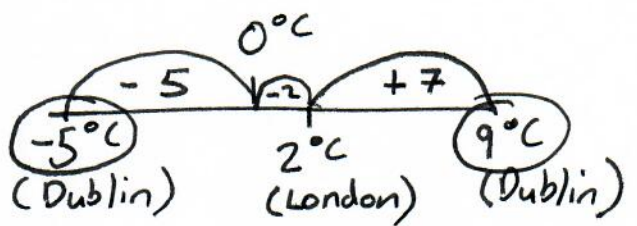
£7.64

$$\begin{array}{r} 3 \overline{) 1.91} \\ \underline{12} \\ 71 \\ \underline{68} \\ 31 \\ \underline{30} \\ 1 \end{array}$$

$$\begin{array}{r} 1.91 \\ 5 \overline{) 9.55} \\ \underline{5} \\ 45 \\ \underline{40} \\ 55 \\ \underline{50} \\ 5 \end{array}$$

$\begin{array}{l} \text{£}9.55 = 1.25 \text{ L} \\ \div 5 \\ \text{£}1.91 = 0.25 \text{ L} \\ \times 4 \\ \text{£}7.64 = 1 \text{ L} \end{array}$

P10



The temperature in London is 2°C . The difference between the temperature in London and Dublin is 7°C . There are two possible answers.

What are the two possible temperatures in Dublin?

-5°C and 9°C



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

1 "I don't know how to do this homework" said Jade. Can you help me please?"
A B C D
Speech Marks

2 If you dont stop eating those sweets, you will make yourself sick.
A B C D
Apostrophe

3 Why are you shouting at me? It's not my fault that you missed the train.
A B C D N

4 The first Harry Potter movie is much better than the second – isn't it?
A B C D
Question

5 The train (which was running an hour late) finally pulled into the station at nine o'clock.
A B C D
Brackets

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

6 If you know the person you are writing to you should finish your letter with "yours
 truly sincerely really actually honestly."
A B C D E

7 My brother is lying, the book doesn't belong to him, it is
 their his me my mine
A B C D E

8 The station is not far from over around in on
A B C D E
here, just keep walking straight ahead.

9 After working hard all year in school, I firstly finally too so yet
A B C D E
passed my maths exam.

10 If you want gets getting got to get get
A B C D E
a new bicycle, you will have to save your pocket money.

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

11 I would wood like to go to the concert with you, but I have to stay in to finish my school project.
↑ (A) ↑ ↑ B ↑ ↑ C ↑ ↑ D ↑

12 I can't remember what the teacher was talking about because it wasn't interesting intresting to me.
↑ A ↑ ↑ B ↑ ↑ C ↑ ↑ (D) ↑

13 "Always remember this rule," said the teacher. "Never run with scissors sissors in the classroom."
↑ A ↑ ↑ B ↑ ↑ (C) ↑ ↑ D ↑

14 Today we learned that all the angles angels in a triangle add up to 180 degrees.
↑ A ↑ ↑ (B) ↑ ↑ C ↑ ↑ D ↑

15 Please tell me by Friday whether or not you can play in the football match.
↑ A ↑ ↑ B ↑ ↑ C ↑ ↑ D ↑ (N)

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

The Happy Prince by Oscar Wilde

1. "Far away" continued the statue in a low musical voice, "Far away in a little street there
2. is a poor house. One of the windows is open, and through it I can see a woman seated at
3. a table. Her face is thin and worn, and she has coarse, red hands, all pricked by the
4. needle, for she is a seamstress. She is embroidering passion-flowers on a satin gown for
5. the loveliest of the Queen's maids-of-honour to wear at the next Court-ball. In a bed in
6. the corner of the room her little boy is lying ill. He has a fever, and is asking for oranges.
7. His mother has nothing to give him but river water, so he is crying. Swallow, Swallow,
8. little Swallow, will you not bring her the ruby out of my sword-hilt? My feet are fastened
9. to this pedestal and I cannot move."

10. "I am waited for in Egypt," said the Swallow. "My friends are flying up and down the
11. Nile, and talking to the large lotus-flowers. Soon they will go to sleep in the tomb of the
12. great King. The King is there himself in his painted coffin. He is wrapped in yellow linen,
13. and embalmed with spices. Round his neck is a chain of pale green jade, and his hands
14. are like withered leaves."

15. "Swallow, Swallow, little Swallow," said the Prince, "will you not stay with me for one
16. night, and be my messenger? The boy is so thirsty, and the mother so sad."

17. "I don't think I like boys," answered the Swallow. "Last summer, when I was staying on
18. the river, there were two rude boys, the miller's sons, who were always throwing stones
19. at me. They never hit me, of course; we swallows fly far too well for that, and besides, I
20. come of a family famous for its agility; but still, it was a mark of disrespect."

21. But the Happy Prince looked so sad that the little Swallow was sorry. "It is very cold
22. here," he said; "but I will stay with you for one night, and be your messenger."

23. "Thank you, little Swallow," said the Prince.
24. So the Swallow picked out the great ruby from the Prince's sword, and flew away with it
25. in his beak over the roofs of the town Q24
26. He passed by the cathedral tower, where the white marble angels were sculptured. He
27. passed by the palace and heard the sound of dancing. A beautiful girl came out on the
28. balcony with her lover. "How wonderful the stars are," he said to her, "and how" Q21
29. wonderful is the power of love!"
30. "I hope my dress will be ready in time for the State-ball," she answered; "I have ordered
31. passion-flowers to be embroidered on it; but the seamstresses are so lazy." Q21
- Q24
32. He passed over the river, and saw the lanterns hanging to the masts of the ships.
33. At last he came to the poor house and looked in. The boy was tossing feverishly on his
34. bed, and the mother had fallen asleep, she was so tired. In he hopped, and laid the great
35. ruby on the table beside the woman's thimble. Then he flew gently round the bed,
36. fanning the boy's forehead with his wings. "How cool I feel," said the boy, "I must be" Q22
37. getting better"; and he sank into a delicious slumber.
38. Then the Swallow flew back to the Happy Prince, and told him what he had done. "It is
39. curious," he remarked, "but I feel quite warm now, although it is so cold."
- Q25
40. "That is because you have done a good action," said the Prince. And the little
41. Swallow began to think, and then he fell asleep. Thinking always made him sleepy.

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.

16

What does this story start with?

- A narrative
- B a question
- C a flashback
- D direct speech**
- E description

17

Look at lines 6 – 9. Which statement below best describes how the Prince is feeling?

- A The Prince is worried about the sick little boy.
- B The Prince wants to help the sick little boy.
- C The Prince wants to help the sick little boy and is sad because he cannot do it himself.**
- D The Prince feels uncomfortable because his feet are fastened to the pedestal.
- E The Prince feels annoyed because the Swallow won't do what he asks.

18

Read lines 10 – 14. Which statement below explains why the Swallow is reluctant to help the Prince?

- A The Swallow is waiting for his friends.
- B The great King is waiting for the Swallow.
- C The Swallow wants to go on holiday to Egypt.
- D The Swallow is tired and wants to go to sleep.
- E The Swallow's friends are already in Egypt and they are waiting for him.**

19

Look at lines 21 – 22. Why does the Swallow agree to help the Prince?

- A The swallow feels sorry for the poor seamstress.
- B The swallow feels sorry for the sick boy.
- C The swallow feels sorry for the sad Prince.**
- D The swallow is lonely and wants company.
- E The swallow is cold and needs shelter.

20

"...his hands are like withered leaves." (line 14)

Which literary technique is being used in these lines?

- A personification
- B simile**
- C metaphor
- D alliteration
- E onomatopoeia

21

Look at lines 26 – 31. Which statement best describes how the narrator feels about the girl on the balcony?

- A The narrator thinks that the girl is beautiful and selfish.**
- B The narrator thinks that the girl is beautiful.
- C The narrator thinks that the girl's dress is beautiful.
- D The narrator thinks that the girl looks like an angel.
- E The narrator thinks that the girl is a beautiful dancer.

22

Read lines 33 – 37. Why does the boy think that he is getting better?

- A The boy's mother buys medicine with the ruby.
- B The boy's mother buys oranges with the ruby.
- C The boy's mother opens the window letting cool air into the room.
- D The Swallow fans the boy's forehead with his wings.**
- E The boy's mother fans his forehead.

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

23

Look at lines 17 - 20. Find another reason why the Swallow is reluctant to help the Prince.

doesn't like boys

24

Look at lines 26 – 33. Name the three places in the town that the Swallow passes by before he reaches the poor house.

Cathedral tower, palace, river

25

Look at lines 38 – 41. Why does the Swallow feel warm even though it is cold?

good action

26

Which word in line 3 means the same as rough?

Coarse

27

Which part of speech is “lying” as it appears in the passage? (line 6)

verb

28

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

large (line 11) painted (line 12) pale (line 13) thirsty (line 16)

adjectives

Maths – Practice Test

29

John is fishing with his net at the park and fills six jars with stickle backs that he has caught. Two jars have 9 sticklebacks each and the others have 6 sticklebacks each.

What is the mean (average) number of sticklebacks?

A 9 B 6 C 7 D 8 E 12

$1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6$
 $(9) + (9) + (6) + (6) + (6) + (6)$

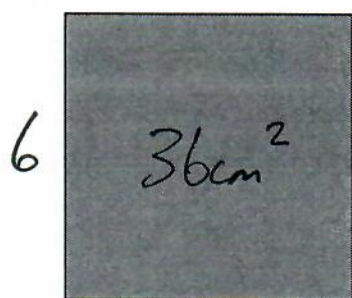
$18 + 24 =$

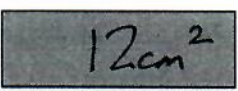
$42 \div 6 = 7$

$$\begin{array}{r} 24 \\ + 18 \\ \hline 42 \end{array}$$

30

Look at the diagram below. It shows a square and a rectangle.
 The area of the square is three times the area of the rectangle.





$6 \times 6 = 36$

$6 \times 2 = 12$

$12 \times 3 = 36$

What is the value of X?

A 12

B 10

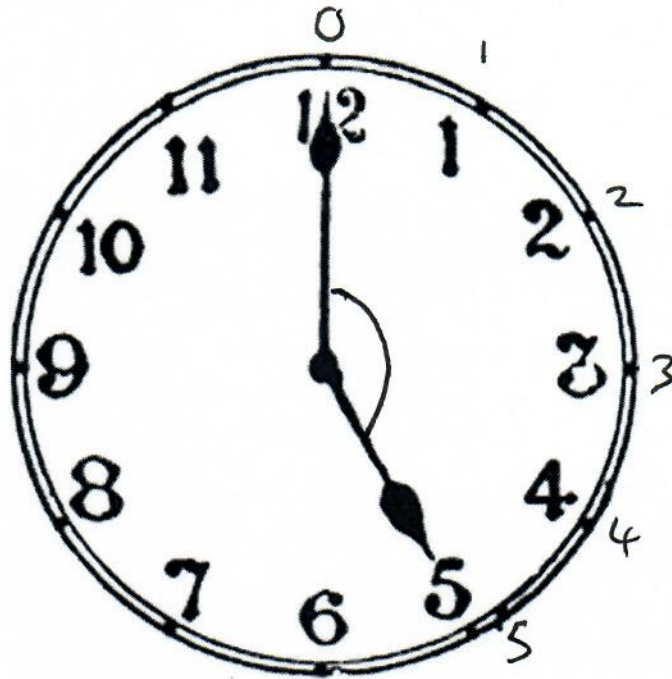
C 9

D 8

E 6

31

Look at the clock below. The time is 5 o'clock.



What is the obtuse angle between the hands of the clock?

A 120°

B 150°

C 225°

D 210°

E 315°

32

How many lines of symmetry does a rectangle have?

A 1

B 6

C 0

D 2

E 4



33

Look at the 6 cards below.



The cards are placed face down and then mixed up. Cameron chooses a card at random and reads the number on it. Look at the following five statements:

- A: The number is a two-digit number. $\frac{3}{6} = \frac{1}{2}$
- B: The number has a decimal. $\frac{0}{6}$
- C: The number is a square number. 9 16 $\frac{2}{6} = \frac{1}{3}$
- D: The number is less than 20. $\frac{6}{6}$
- E: The number is square or prime. 9 16 2 17 $\frac{4}{6} = \frac{2}{3}$

Which statement above has a $\frac{2}{3}$ probability of being picked?

- A A B B C C D D **E E**

34

Look at the calculation below.

$$8790 \times 125 = 1098750 \quad \left(\div 10 \right) \left(\div 10 \right) \quad \quad 10987.50 \overset{\leftarrow}{\div 100} =$$

Use this to help you complete the calculation below.

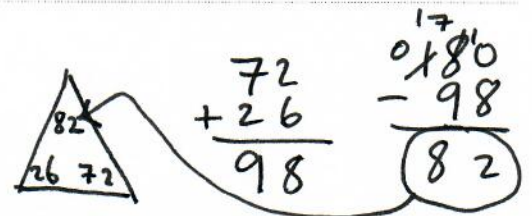
$$\begin{array}{l} \div 10 \quad \div 10 \\ \downarrow \quad \downarrow \\ 879 \times 12.5 = \underline{10987.5} \end{array}$$

- A 109.875 B 10987500 C 1098.75 D 1098750 **E 10987.5**

35

Two angles in a triangle are 26° and 72° .

What type of triangle this is?



- A Scalene** B Right C Equilateral D Isosceles E Kite

36

Look at the incomplete statement below.

$\frac{14}{40}$ is the same as 35 %

$$\frac{14}{40} \xrightarrow{\div 2} \frac{7}{20} \xrightarrow{\times 5} \frac{35}{100} = 35\%$$

What number in the space above makes the statement true?

A 42

B 25

C 35

D 48

E 40

37

Look at the statement below.

$$149 - b = 27$$

$$\begin{array}{r} 149 \\ - 27 \\ \hline 122 \end{array}$$

What is the value of b?

A 132

B 176

C 145

D 122

E 166

38

How many numbers between 50 and 70 are even numbers
but not multiples of 6?

A 16

B 15

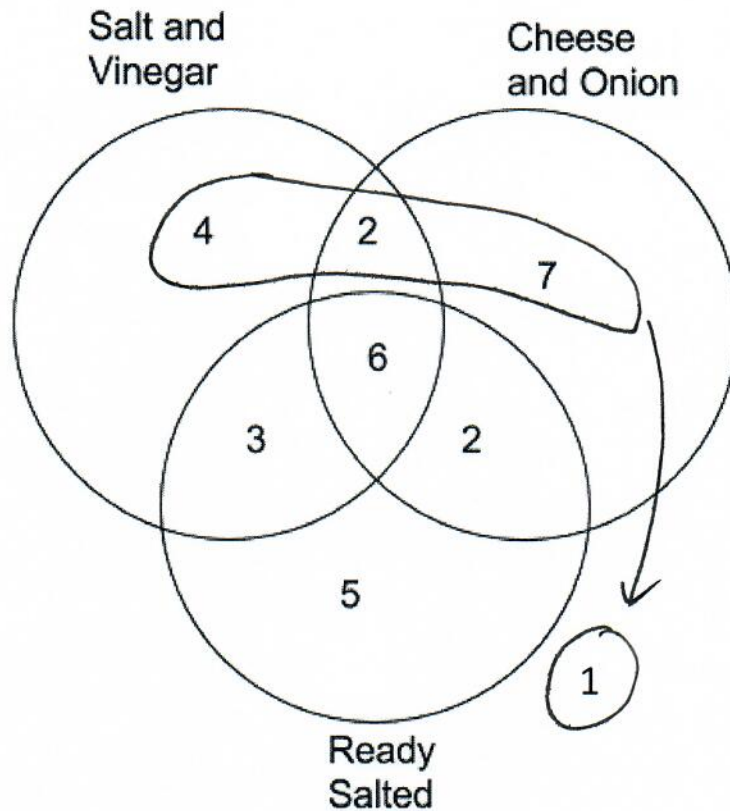
C 20

D 9

E 6

- ① 52
- ~~② 54~~ $\times 6$
- ③ 58
- ~~④ 60~~ $\times 6$
- ⑤ 62
- ⑥ 64
- ~~⑦ 66~~ $\times 6$
- ⑧ 68

John investigated the types of crisps pupils like. John asks the pupils in his class and records the results in the Venn Diagram below.



How many pupils do not like to eat ready salted?

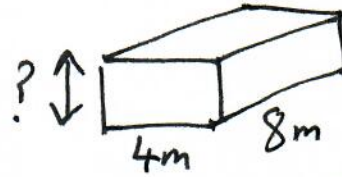
- A 14
- B 5
- C 16
- D 9
- E 13

$$4 + 2 + 7 + 1 = 14$$

40

A class is trying to work out the height of their classroom. Their teacher has told them that the volume of the air in the room is 96m^3 . They have also measured the floor space and it is 4m by 8m.

What is the height of the classroom?

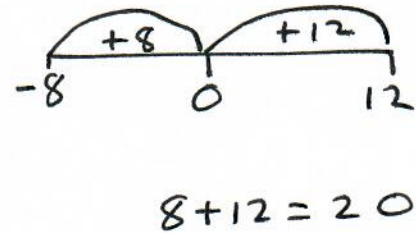


- A 3m
 B 5m
 C 2m
 D 12m
 E 64m

$$\begin{array}{r} 3 \\ 8 \overline{) 24} \\ \underline{24} \\ 0 \end{array}$$

41

Look at the thermometer below.



What is the difference in temperature between temperature A and temperature B?

- A 5°C
 B 25°C
 C 20°C
 D 10°C
 E 15°C

42

In a school $\frac{3}{7}$ of the pupils wear glasses. There are 861 pupils in the school.



$$\begin{array}{r} 123 \\ 7 \overline{)861} \end{array}$$

How many pupils do not wear glasses? $\frac{24}{7}$

$$\begin{array}{r} 123 \\ \times 4 \\ \hline 492 \end{array}$$

- A 123 B 328 C 279 **D 492** E 369

43

In a sale, a TV is reduced by a 25%. The sale price is £360.

$$100\% - 25\% = 75\%$$



$$75\% = \pounds 360$$

$$\frac{3}{4} = \pounds 360$$

$$\frac{\div 3}{\times 4} \text{ of } \underline{\hspace{2cm}} = \pounds 360$$

$$\begin{array}{r} 120 = \frac{1}{4} \\ 3 \overline{)360} \end{array}$$

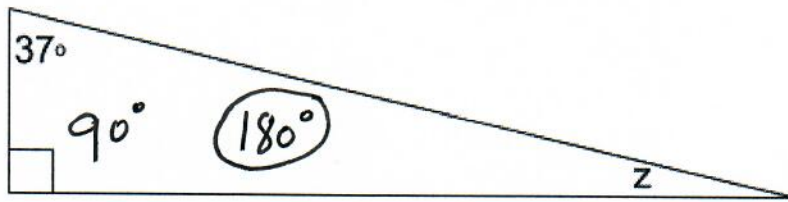
What was the price of the TV before the sale?

- A £240 **B £480** C £510 D £270 E £450

$$\begin{array}{r} 120 \\ \times 4 \\ \hline \pounds 480 \end{array}$$

44

Look at the triangle below



What is the value of z ?

A 53°

B 63°

C 127°

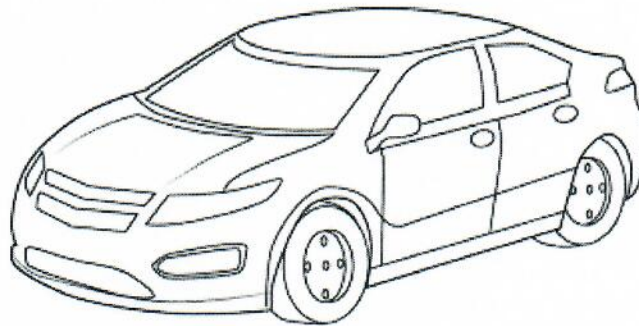
D 93°

E 233°

$$\begin{array}{r} 90 \\ +37 \\ \hline 127 \end{array}$$

$$\begin{array}{r} 710 \\ -127 \\ \hline 053 \end{array}$$

45



$$\begin{array}{r} 48 \\ 15:28 \\ -00:47 \\ \hline 14:41 \end{array}$$

Graham drove to Downpatrick. He spent 47 minutes there. Graham left Downpatrick at 3:28 pm.

When did he arrive in Downpatrick in 24-hour clock?

A 16:15

B 14:41

C 13:41

D 4:15pm

E 2:41pm

46

Look at the first five numbers of a sequence below.

1 3 7 15 31
 +2 +4 +8 +16 +32

What is the sixth number in the sequence?

$$\begin{array}{r} 31 \\ +32 \\ \hline 63 \end{array}$$

- A 45 B 64 C 37 D 42 **E 63**

47

What is the difference between $\frac{2}{3}$ of 180 and 20% of 120?

$$\begin{array}{r} 111 \\ \times 20 \\ \hline -24 \\ \hline 96 \end{array}$$

- A 60 B 112 C 144 **D 96** E 300

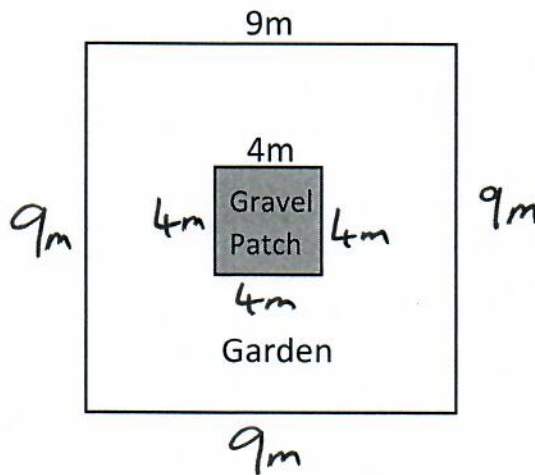
$\frac{2}{3}$ of 180 = 120

$\frac{20}{100}$ of 120 = 24

$120 - 24 = 96$

48

This is a bird's eye view of Ruth's back garden. It has a square gravel patch in the centre of a square garden. The garden has a side length of 9m and the gravel patch has a side length of 4m.



$$9 \times 4 = 36$$

$$4 \times 4 = 16$$

$$\frac{36 - 16}{20} = 1$$

perimeter

How much further is it to walk around the outside edge of the garden than the outside edge of the gravel patch?

- A 5m B 32m **C 20m** D 18m E 65m

49

Look at the two numbers below.

299 300
 0.299 0.300

$$0.299 \times 100 = 29.9$$

What is the answer if you multiply the smaller of these two numbers by 100?

A 300

B 29.9

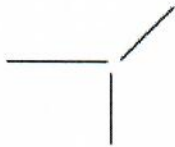
C 3

D 30

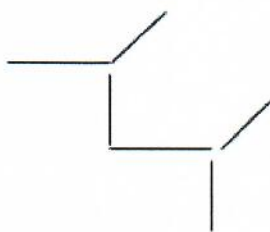
E 2.99

50

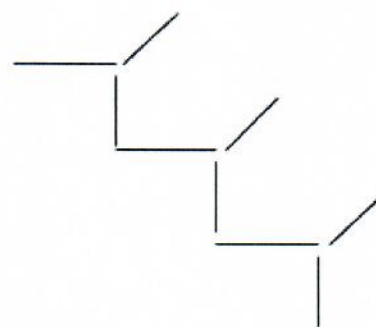
Look at the following patterns made from sticks.



Pattern 1



Pattern 2



Pattern 3

Which pattern number will have 39 sticks?

A 6

B 21

C 11

D 9

E 13

1	2	3	4	5	6	7	8	9	10	11	12	13
3	6	9	12	15	18	21	24	27	30	33	36	39

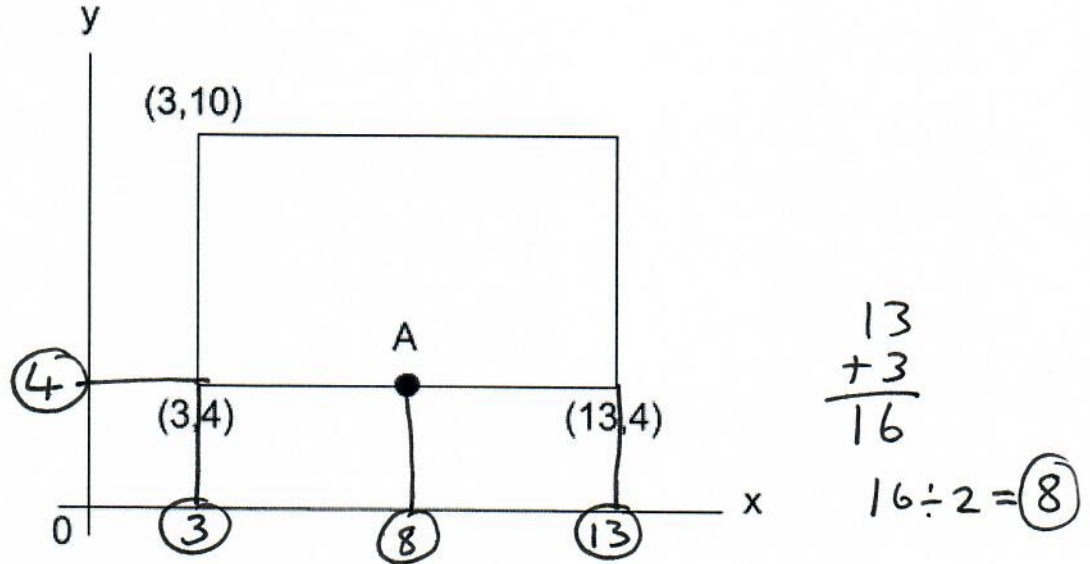
or

$$\begin{array}{r} 13 \\ 3 \overline{)39} \end{array}$$

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

Look at the rectangle below in the x and y axis.



Point A is exactly halfway between the bottom two coordinates of the rectangle.

What are the coordinates of point A?

$(8, 4)$

52

John travels for 417 minutes to get to Spain.

What is this in hours and minutes?

6 hours 57 minutes

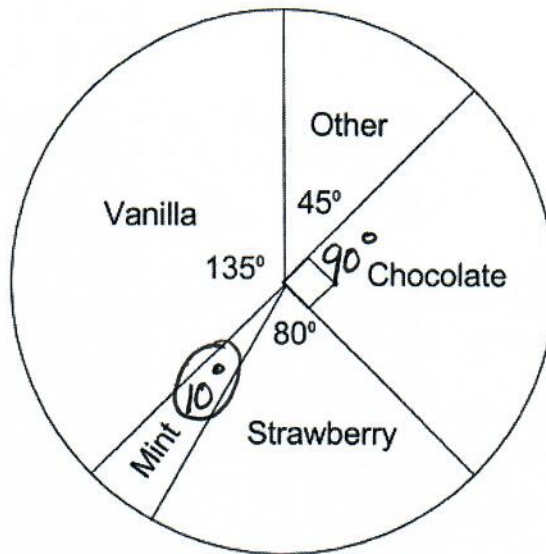
Handwritten calculations:

$$\begin{array}{r} 60 = 1 \\ 120 = 2 \\ 180 = 3 \\ 240 = 4 \\ 300 = 5 \\ \underline{360 = 6} \\ 420 = 7 \end{array}$$

$$\begin{array}{r} 3 \overset{1}{4} 17 \\ - 360 \\ \hline 057 \end{array}$$

53

Max asks several adults about their favourite ice cream flavour. He records the results in the pie chart below.



$$\begin{array}{r} 135 \\ 45 \\ 90 \\ + 280 \\ \hline 350 \end{array}$$

$$\begin{array}{r} 360 \\ - 350 \\ \hline 10 \end{array}$$

He finds out that 16 adults prefer Strawberry.

How many adults prefer mint?

2 adults

$$\begin{array}{l} (\text{Strawberry}) 80^\circ = 16 \\ \div 8 \downarrow 10^\circ = 2 \downarrow \div 8 \end{array}$$

54

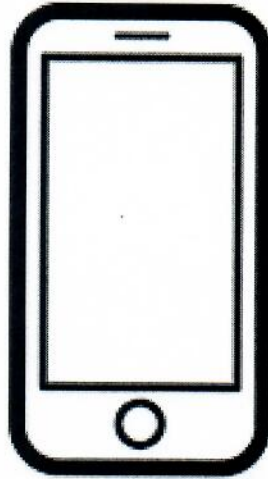
John brought 30 sweets to school. At break time he buys 27 sweets at the tuck shop. At lunchtime he gives 49 sweets away to friends. At the end of the school day John buys another 9 sweets.

$$+ 9$$

How many sweets does John have now?

17 sweets

$$\begin{array}{r} + 27 \\ 30 \\ + 27 \\ \hline 4517 \\ - 49 \\ \hline 8 \\ + 9 \\ \hline 17 \end{array}$$



$$\begin{array}{r}
 \underline{3 \text{ minutes}} \\
 \begin{array}{r}
 26 \\
 \times 3 \\
 \hline
 78p
 \end{array}
 \end{array}
 \qquad
 \begin{array}{r}
 \underline{11 \text{ minutes}} \\
 \begin{array}{r}
 11 \\
 \times 3 \\
 \hline
 33p
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 78 \\
 + 33 \\
 \hline
 111
 \end{array}$$

Ruth's mobile phone contract includes the following information on the cost of calls:

- 26p per minute for the first three minutes
- 3p per minute for each minute after the first three minutes.

Ruth makes a call which lasts 14 minutes.

How much will this call cost? Give your answer in pence.

111 pence

A ream of paper contains 500 sheets and weighs 1250 g.

$$\begin{array}{r}
 500 \\
 \times 6 \\
 \hline
 3000
 \end{array}$$

How many sheets of paper weigh 7.5 kg?

3000 sheets

$$\begin{array}{l}
 500 = 1250g \\
 \downarrow \times 6 \\
 3000 = 7500g \quad \times 6
 \end{array}$$

$$\begin{array}{r}
 \overset{2}{1}250 \\
 \times 5 \\
 \hline
 6250 \\
 \text{(too small)}
 \end{array}$$

$$\begin{array}{r}
 \overset{3}{1}250 \\
 \times \textcircled{6} \\
 \hline
 7500 \\
 \text{(✓)}
 \end{array}$$