

**STIRLING TUITION**  
**SEAG**  
**Entrance Assessment**



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**Practice Paper 22**

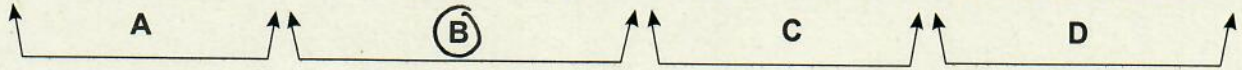
**(Cut Answer Sheet from Back Page)**

# 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

"No, we don't have milk," Lily called out, "Will you get some when you are out please?"



Comma before speech marks

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

After saying goodbye to their family, the couple got

- in    under    behind    in front of    on the ship.  
A            B            C            D            E

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

Next year, he will be spending the summer doing work experiance with a local business.



experience

Read this passage to yourself.

### The Northern White Rhino

The northern white rhino was hunted during the 1970s and 1980s. Poachers hunted them to cut off and sell the rhinos' horns. Rhino horn is highly sought-after in Asia as it is used in traditional medicine in places like China and Vietnam. Rhino horn is now more valuable by weight than gold which makes the animals a popular target for poachers wanting to make money. Northern white rhinos have been extinct in the wild since 2008, only surviving in captivity through conservation projects.

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 rhino horn?

- A It is less valuable than gold.
- B It is more valuable than gold.
- C It is used in traditional crafts.
- D It is popular in Europe.
- E It is extremely beautiful.

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 "no longer living"?

Extinct



# Maths – Practice Test

P6

A pupil starts reading a book on Monday evening. They read 27 pages each evening from Monday to Friday. On Saturday they read another 16 pages.

How many pages have they read altogether?

A 123

B 135

C 169

D 185

E 151

$$\begin{array}{r} 327 \\ \times 5 \\ \hline 135 \\ + 16 \\ \hline 151 \end{array}$$

P7



The temperature of a freezer is  $-15^{\circ}\text{C}$ . It is switched off. Six hours later the temperature has risen by  $29^{\circ}\text{C}$ .

What is the temperature of the freezer six hours after it is switched off?

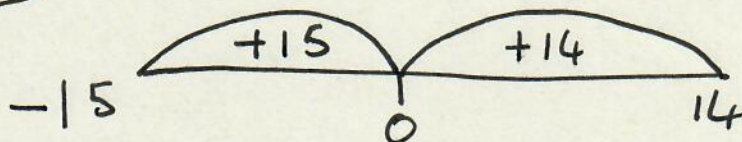
A  $14^{\circ}\text{C}$

B  $44^{\circ}\text{C}$

C  $30^{\circ}\text{C}$

D  $27^{\circ}\text{C}$

E  $12^{\circ}\text{C}$



$$\begin{array}{r} 29 \\ - 15 \\ \hline 14 \end{array}$$

# P8

An adult is learning to drive. Each lesson costs £22. It costs £88 to take the driving test. If they fail the test then they have to take it again. The adult has 19 lessons. They spend £946 in total on lessons and tests.

How many tests does the adult pay for?

A 3

**B 6**

C 5

D 13

E 8

$$\begin{array}{r} 3 \\ 946 \\ -418 \\ \hline 528 \end{array}$$

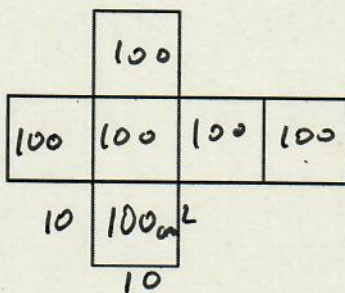
$$\begin{array}{r} 19 \\ \times 22 \\ \hline 38 \\ 380 \\ \hline 418 \end{array}$$

$$\begin{array}{r} 6 \\ 11 \overline{)066} \\ 8 \overline{)5248} \end{array}$$

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

Look at the net below.



$$100 \times 6 = 600$$

The net is folded to form a cube of side 10 cm.

What is the area of the net?

**600 cm<sup>2</sup>**

# P10

Look at the three time periods below.

- A. 3 hours = 180 mins = **10800** seconds
- B. 175 minutes = **10500** seconds
- C. 10000 seconds

$$\begin{array}{r} 3 \times 60 = 180 \\ \times 60 \\ \hline 10800 \end{array}$$

$$\begin{array}{r} 175 \\ \times 60 \\ \hline 10500 \end{array}$$

Which of the three time periods is the shortest (A-C)?

**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 "Go on!" the football coach shouted urgently to the striker. "Hurry up and shoot, Harry!"  
↑ A ↑↑ B ↑↑ C ↑↑ D ↑

Needs a comma before Harry!

2 I would like to go away this weekend, but what are we going to do with the dog?  
↑ A ↑↑ B ↑↑ C ↑↑ D ↑

Question

3 The boys extremely disappointed to miss the annual summer camping trip to France.  
↑ A ↑↑ B ↑↑ C ↑↑ D ↑

boy was = boy's

4 The family looked at hundreds of house's before they found their dream home.  
↑ A ↑↑ B ↑↑ C ↑↑ D ↑

No apostrophe needed

5 My neighbour, who lives in the house with the yellow door, works as a firefighter.  
↑ A ↑↑ B ↑↑ C ↑↑ D ↑ N

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

The old stadium has seen

good    best    better    bad    worst days. It needs to be modernised.  
A            B            C            D            E

7

He didn't like the company, so he turned

down    up    on    in    around their job offer.  
A            B            C            D            E

8

My baby sister is doing well thank you. She

grew    was growing    grow    is growing    had grown bigger every day.  
A            B            C            D            E

9

You don't need my help to wash the car. You can do it

your    yourself    himself    herself    myself.  
A            B            C            D            E

10

I need to finish my homework before I go to play tennis

that    the    one    some    this afternoon.  
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

11 Let's ask Amelia to join our quiz team. She can answer the general knowledge questions.

A B C D

12 The boys were given detention as punishment for interrupting the class with their prank.

A B C D N

13 I always receive beautiful birthday presents from my aunt because I'm her favourite niece.

A B C D

14 Don't worry about the stain on the sofa. If we cover it with cushions it won't be noticeable.

A B C D

15 After the argument, the neighbours moved away and we never saw them ever again.

A B C D



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

## The Loch Ness Monster

1. The myth <sup>(25)</sup> of the Loch Ness Monster, or "Nessie" has been around for nearly fifteen  
2. hundred years and yet its popularity around the world continues <sup>(16)</sup>, even in our modern  
3. era of science and technology. According to the legend <sup>(25)</sup>, the Loch Ness Monster is a giant  
4. sea monster that looks like a dinosaur which lives in a lake in Scotland. Supporters of the  
5. famous <sup>(27)</sup> monster say its earliest <sup>(27)</sup> sighting was in AD 565, when Saint Columba banished  
6. the creature to the lake after saving an unfortunate <sup>(27)</sup> swimmer from its clutches. Many  
7. efforts have been made to try and locate the beast yet there is still no scientific  
8. evidence that it actually exists. Perhaps this is for a good reason? According to science  
9. the beast, as we imagine it, could not possibly be real. <sup>(16)</sup> <sup>(16)</sup> <sup>(16)</sup>

10. Some of those who think that the Loch Ness monster is real, have put forward the  
11. theory that it is actually a surviving plesiosaur. Plesiosaurs were a long necked marine  
12. animal that lived during <sup>(28)</sup> the Triassic and Cretaceous period <sup>(28)</sup> over <sup>(23)</sup> sixty million years ago.  
13. According to this theory <sup>(28)</sup>, the plesiosaur was stranded in the loch after the last Ice Age  
14. which began around <sup>(28)</sup> thirty three thousand years ago. However, leading geologist and  
15. palaeontologist Donald Prothero has rejected this theory. Prothero states that "never  
16. once has there been a plesiosaur bone found in the lake." <sup>(17)</sup> Even though scientists have  
17. explored the loch carefully since the 1970s, no one has ever discovered any bones.

18. Prothero goes on to explain that Loch Ness is not big enough for a plesiosaur to live in. It  
19. is estimated that there are only about twenty two tonnes of fish in the loch. This might  
20. seem like a lot of fish, but it wouldn't be enough for a hungry plesiosaur who could grow <sup>(19)</sup>  
21. up to forty nine feet long (around the same length as a double decker bus!). Prothero  
22. found another problem with the plesiosaur theory in Loch Ness – it would simply be far  
23. too cold for Nessie! Plesiosaurs were a cold blooded reptile. Reptiles cannot generate  
24. heat in their bodies so they need to get heat from their surroundings. <sup>(18)</sup> For example,  
25. lizards are reptiles and they rely on getting heat from the sun, this is why they can  
26. usually be found in areas with a warm and sunny climate. Plesiosaurs would have got  
27. their heat from the water around them and so it would need to have been warm water  
28. in order for them to survive. However, the water in Loch Ness never gets above five  
29. degrees Celsius which would be freezing for a tropical creature such as the plesiosaur.

30. Despite the scientific evidence, some people believe that they have seen the creature. In  
31. April 1933, a couple walking around the loch claim to have seen an enormous animal  
32. rolling and playing in the water. They reported the sighting to a man who worked at the  
33. loch who also claims to have seen the creature. He described it to be thirty foot long,  
34. with a six foot long neck and a huge hump. A year later, in 1934, a London doctor  
35. released a photograph which he claimed was the legendary Loch Ness Monster. The

24

36. photograph was published in the Daily Mail newspaper and appeared to show a strange  
37. head and neck sticking out of the loch. The picture was thought to be the best  
38. photographic evidence of the monster's existence until 1994, when it was proved to be  
39. a fake. Apparently the figure in the photograph was, in fact, a modelled wooden head  
40. attached to a toy submarine!

20

41. So why does the legend of the Loch Ness Monster remain so popular? As human beings  
42. we are naturally curious about the world around us and we are always trying to make  
43. sense of our natural habitat. Throughout history, humans have created stories about  
44. things in our world which we don't understand. These stories help us to create our own  
45. answers for mysteries that would otherwise be unexplained. The mystery of the Loch  
46. Ness monster continues because it is a creative story which feeds our imagination and  
47. evidence of this can be seen by the number of people who visit the loch each year. In  
48. 2018, it was calculated that the legend of the Loch Ness monster adds roughly  
49. £41,000,000.00 to the Scottish economy in a typical year. So, it is safe to say that  
50. "Nessie" is here to stay, whether she actually exists or not!

21

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

Which of these statements is true about the myth of the Loch Ness monster?

- A It is unpopular and factual.
- B It is popular and not factual.
- C It is from the modern era.
- D It is based on science.
- E It is only popular in Scotland.

17

According to Donald Prothero, why could the Loch Ness monster not be a plesiosaur?

- A Plesiosaurs are extinct.
- B Plesiosaurs don't have long necks.
- C Plesiosaurs are not marine animals.
- D There were no plesiosaur bones found in the loch.
- E There were no plesiosaurs found in the loch.

18

Which of these is true about reptiles? CHOOSE 2.

1. They get heat from their food.
2. They can generate heat in their bodies.
3. They cannot generate heat in their bodies.
4. They usually live in areas with a cold climate.
5. They get heat from their surroundings.

- A 1 and 5
- B 3 and 4
- C 3 and 5
- D 1 and 4
- E 2 and 4

19

What other reason does Donald Prothero give for why Loch Ness would not be a suitable home for a plesiosaur?

- A It is too big.
- B It is too deep.
- C It is too warm.
- D It doesn't have any fish.
- E It doesn't have enough fish.

20

Which of these is true about the photograph of the Loch Ness monster?

- A It was proved to be a fake.
- B It was published in a book.
- C It was taken from a submarine.
- D It was released by a fisherman.
- E It was proved to be real.

21

What reason does the writer give for the popularity of the legend of the Loch Ness monster?

- A It is scary.
- B It is true.
- C It is imaginative.
- D It is historical.
- E It is amusing.

22

Into which category of writing would you place this passage?

- A informational writing
- B biography
- C humorous writing
- D drama
- E fiction

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

23

How many years ago did plesiosaurs live?

Sixty million years

24

In which newspaper was the photograph of the Loch Ness monster printed?

Daily Mail

25

In line 1 the word "myth" is used. Find ONE other word of similar meaning in lines 1-9.

Legend

26

Which word from lines 28-29 tells us that the plesiosaur was a creature commonly found in warm waters?

Tropical

27

Look at the sentence, "Supporters of the mythical monster say..." (lines 4-6). Write all the adjectives in this sentence.

Famous

Earliest

Unfortunate

28

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

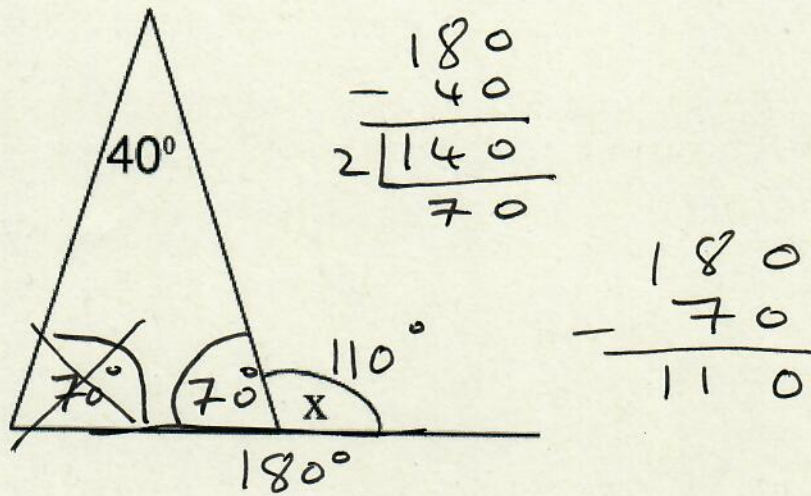
during (line 12) over (line 12) in (line 13) around (line 14)

Prepositions

# Maths – Main Test

29

Look at the shape below. The triangle is an isosceles triangle.



What is the size of angle x?

A 70°

B 140°

**C 110°**

D 180°

E 290°

30

What is the total number of days in November, August, June and February (Not a leap year)?

A 122

B 118

C 121

**D 119**

E 120

$$\begin{array}{r}
 30 \\
 31 \\
 30 \\
 + 28 \\
 \hline
 119
 \end{array}$$

31

Look at the number pattern below.

1  $\times 4$  4  $\times 4$  16  $\times 4$  64  $\times 4$  256  $\times 4$  1024

$$\begin{array}{r} 164 \\ \times 4 \\ \hline 256 \end{array}$$

$$\begin{array}{r} 2256 \\ \times 4 \\ \hline 1024 \\ \times \end{array}$$

If the pattern continued, how many numbers in this pattern are three-digit numbers?

A 12

B 8

C 2

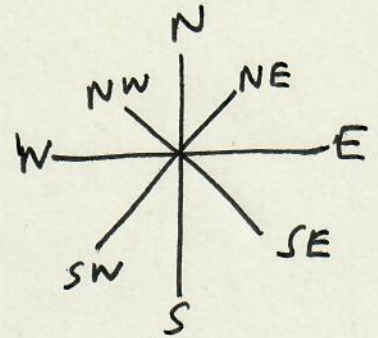
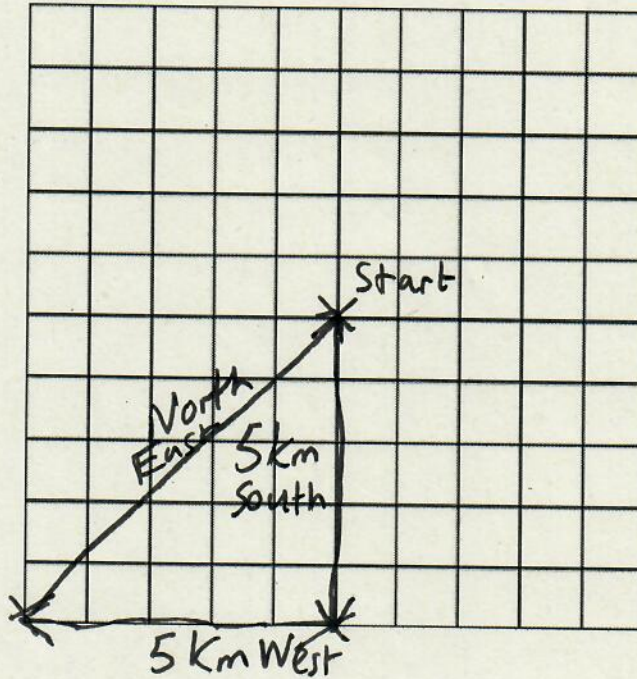
D 4

**E 1**

32

A hiker goes for a walk. ✓

They start walking South for 5 km then they turn and walk West for 5 km. ✓



In which direction must they now walk in order to go directly back to the starting point?

A North

**B North East**

C South

D South East

E North West

33

$9^2 \times 6^3 =$  \_\_\_\_\_

$9 \times 9 = 81$

$6 \times 6 \times 6 = 216$

What is the answer to the above calculation?

- A 17496    B 4832    C 1458    D 297    E 324

$$\begin{array}{r} 14 \\ 216 \\ \times 81 \\ \hline 216 \\ 17280 \\ \hline 17496 \end{array}$$

34

At the start of an event, 100 people are in a hall. Each person is either sitting or standing. Some time later 14 people that were sitting, stand up. Now three quarters of the hall are sitting.

$\frac{3}{4}$  of 100 = 75

How many people were standing at the start of the event?

- A 75    B 24    C 11    D 36    E 89

Stand    Sit

↑ 11    ↑ 89

↑ 25    ↑ 75

INVERSE -14 +14

$$\begin{array}{r} 25 \\ -14 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 100 \\ -75 \\ \hline 25 \end{array} + \begin{array}{r} 75 \\ +14 \\ \hline 89 \end{array}$$

35

A pupil has a guitar lesson each week for six weeks. Each lesson lasts the same length of time. They attend for a total of 4 hour 42 minutes.

How long does each lesson last in minutes?

- A 282    B 66    C 124    D 47    E 36

$4 \times 60 = 240$

$$\begin{array}{r} 240 \\ + 42 \\ \hline 282 \end{array}$$

$$6 \overline{) 282} \begin{array}{r} 047 \end{array}$$



36

A child buys some sweets that cost £4.74.

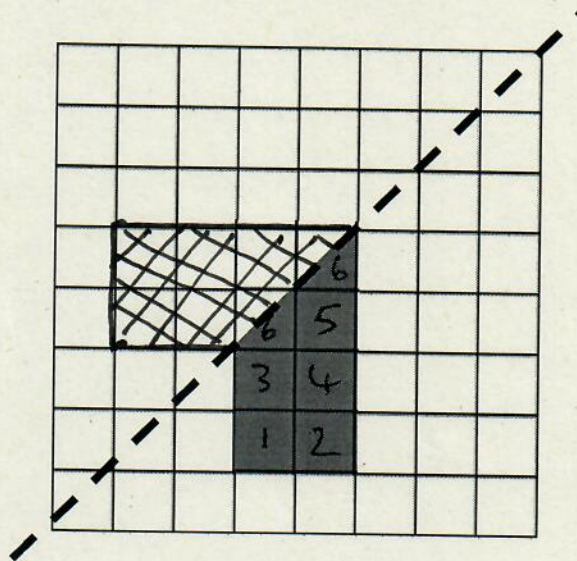
What is the least number of coins they can use to pay the exact cost of the sweets?

- A 6      B 4      C 5      D 3      E 7

£2      £2      50p  
20p  
2p  
2p

37

Look at the grid below. Each square on the grid has side 1cm. A diagonal mirror line is shown on the grid. A shaded shape is drawn on the grid.



$6 \times 2 = 12$

If the shaded shape is reflected in the mirror line, what is the total area of the shaded shape and its reflection?

- A  $6\text{cm}^2$       B  $8\text{cm}^2$       C  $12\text{cm}^2$       D  $10\text{cm}^2$       E  $9\text{cm}^2$

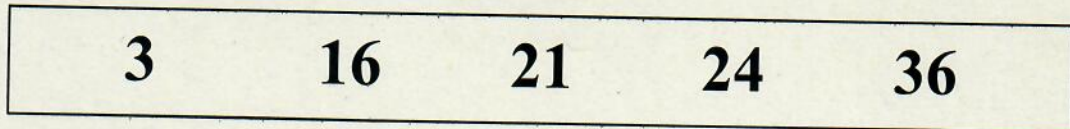
38

29 28 27 26 25 24 23 22 21 20  
19 18 17 16 15 14 13 12 11 10

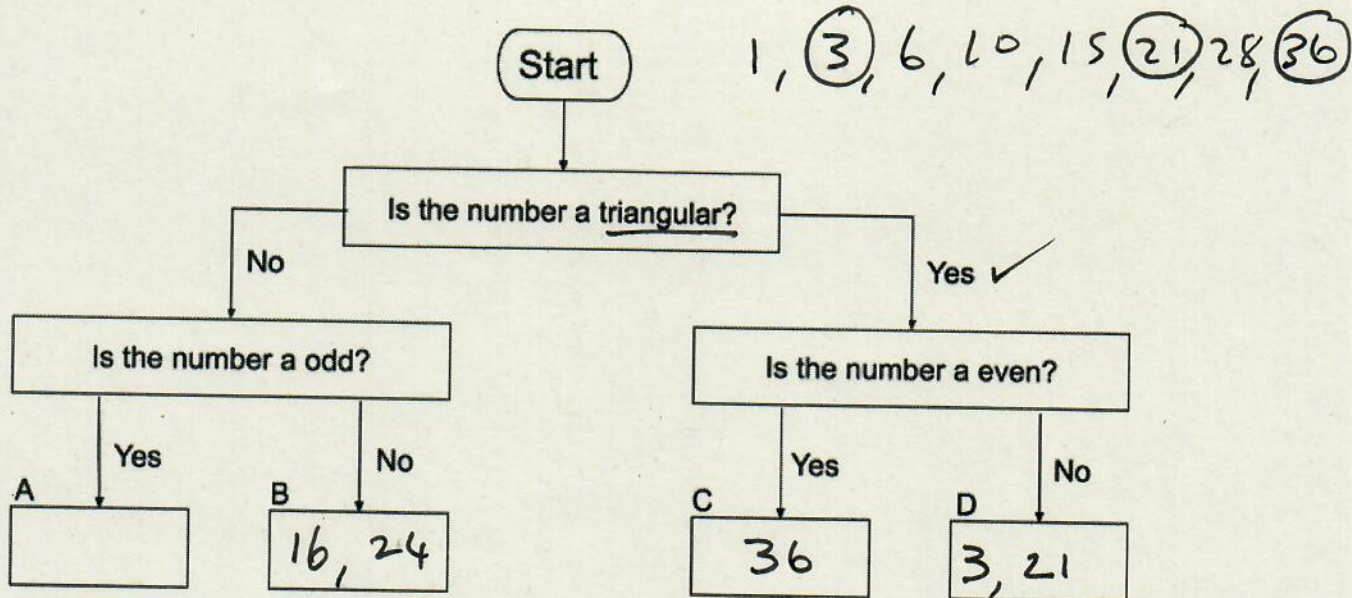
How many two-digit whole numbers are less than 30?

- A 21      B 18      C 19      D 30      E 20

Look at the 5 numbers in the rectangle below.



Now look at the decision tree below.



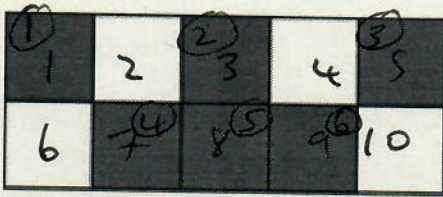
One of the 5 numbers in the rectangle above goes in box C.

**Which number?**

- A 3
- B 16
- C 21
- D 24
- E 36**

Look at the two diagrams below.

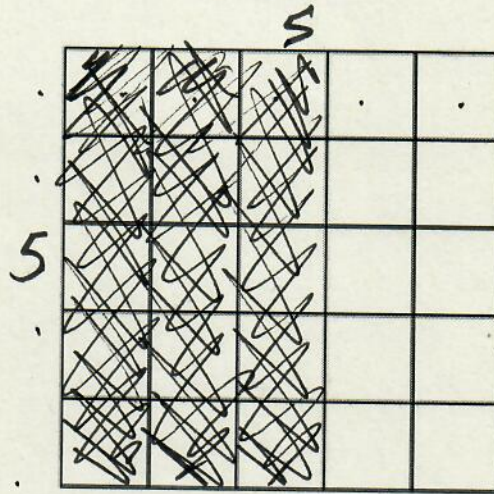
Diagram 1



$$\frac{3}{5} = \frac{6}{10} = \frac{15}{25}$$

Handwritten annotations: An arrow labeled 'x5' points from 3 to 6 and from 5 to 10. Another arrow labeled 'x5' points from 6 to 15 and from 10 to 25. The fraction 15/25 is circled.

Diagram 2



$$5 \times 5 = 25$$

Diagram 1 contains six shaded squares. The fraction of shaded squares in Diagram 2 should be equivalent to the fraction of shaded squares in Diagram 1.

How many squares should be shaded in Diagram 2?

- A 10    **B 15**    C 25    D 8    E 20

There are 24,980 spectators at the football. Of these spectators 95% are male.

$$100 - 95 = 5\%$$

How many spectators are female?

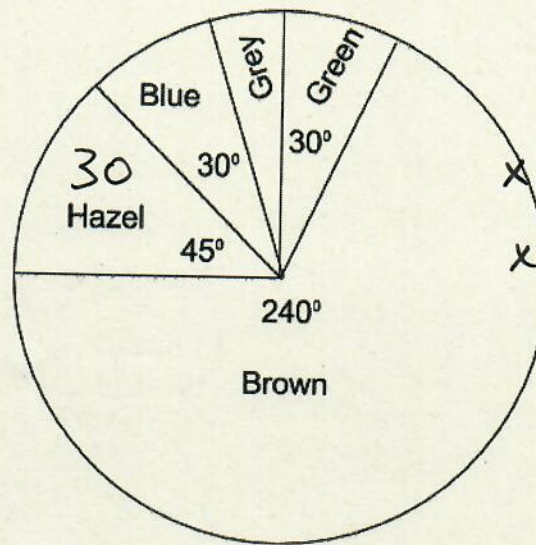
- A 9585    B 2748    C 24894    **D 1249**    E 23731

$$\frac{5}{100} \text{ of } 24980 =$$

$$\begin{array}{r} 244 \\ 249.8 \\ \times 5 \\ \hline 1249.0 \end{array}$$

42

Isla asks a number of adults about the colour of their eyes. She draws the pie chart below.



$$\begin{array}{l}
 45^\circ = 30 \\
 90^\circ = 60 \\
 360^\circ = 240
 \end{array}$$

Handwritten notes showing the relationship between angles and the number of adults. The Hazel segment (45 degrees) corresponds to 30 adults. The Blue and Grey segments (30 degrees each) correspond to 15 adults each. The Green segment (30 degrees) corresponds to 15 adults. The Brown segment (240 degrees) corresponds to 120 adults. The total number of adults is 240.

She finds out that 30 adults each had Hazel eyes.

How many adults in total did Isla ask?

A 315

B 135

C 300

D 240

E 125

43

Look at the fraction below. The denominator of this fraction is 21 and the numerator is 15.

$$\frac{15}{21} = \frac{5}{7}$$

Handwritten simplification of the fraction 15/21. The numerator 15 is divided by 3 to get 5, and the denominator 21 is divided by 3 to get 7. The simplified fraction is 5/7.

The numerator of an equivalent fraction is 10 less than the numerator of the fraction above.

What is the denominator of the equivalent fraction?

A 14

B 3

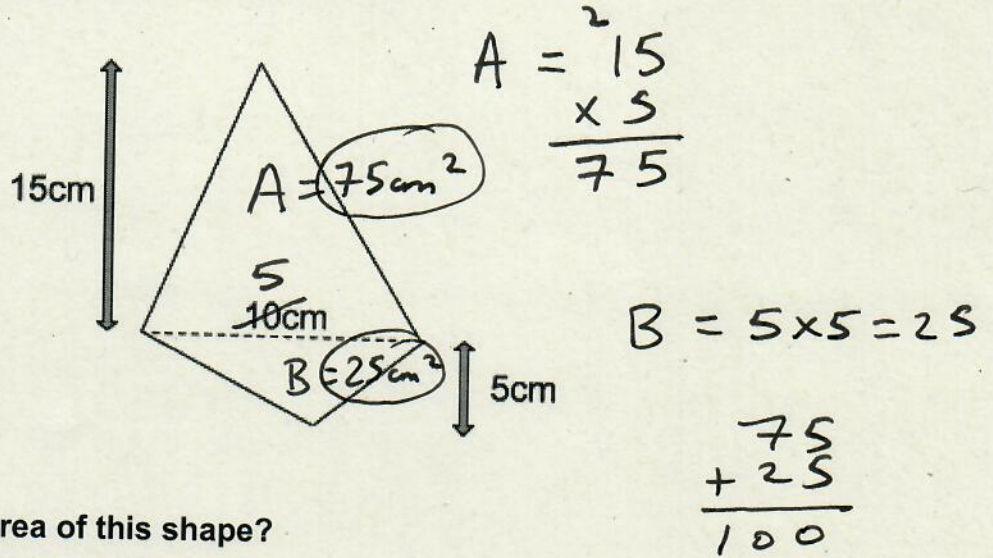
C 63

D 10

E 7

44

Look at the shape below.

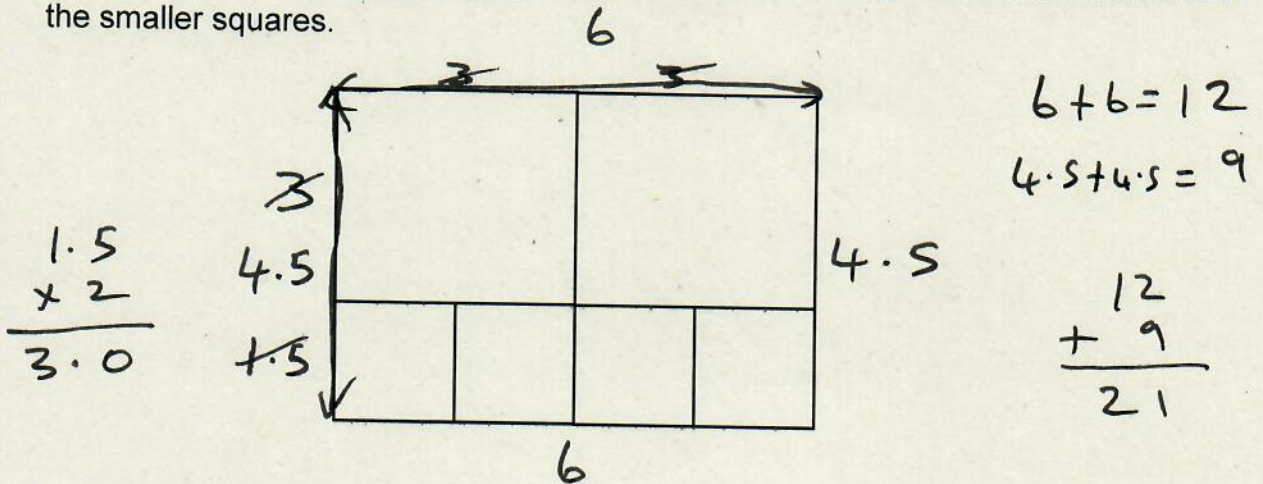


What is the area of this shape?

- A 100cm<sup>2</sup>   
  B 25cm<sup>2</sup>   
  C 750cm<sup>2</sup>   
  D 200cm<sup>2</sup>   
  E 30cm<sup>2</sup>

45

Below are six squares. The bigger squares have a side length which is double that of the smaller squares.



The length of the side of a smaller square is 1.5 cm.

What is the perimeter of the shape?

- A 27cm   
  B 4.5cm   
 C 21cm   
 D 24cm   
 E 9cm

# 46

A child's dad gives them some money to buy sweets. The child buys the sweets costing £2.73. They now have seven-tenths of the money left.

How much money did the child's dad give her?  $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$

- A £1.91    B £3.90    C £8.38    **D £9.10**    E £5.14

(Inverse)

$$\frac{\div 3}{\times 10}$$

of        = £2.73

$$3 \overline{) 2.73} \begin{array}{r} 91 \\ 3 \times 91 = 273 \\ \hline 0 \end{array}$$

$$91 \times 10 = \pounds 9.10$$

# 47

Pupil One, Pupil Two and Pupil Three are in a relay team for a race. Pupil One finished his leg of the race in 3 minutes and 27 seconds. It took Pupil Two 28 seconds less than Pupil One to finish his leg of the race. Their relay team completed the whole race in 9 minutes and 44 seconds.

How long did it take Pupil Three to finish their leg of the race in seconds?

- A 212    **B 198**    C 92    D 147    E 173

$$3 \times 60 = 180$$
$$+ 27$$

---

$$\textcircled{1} = 207$$

$$\begin{array}{r} 207 \\ - 28 \\ \hline 179 \end{array}$$

$$\textcircled{2} = 179$$

$$9 \times 60 = 540$$
$$+ 44$$

---

$$\text{Total} = 584$$

$$\begin{array}{r} 207 \\ + 179 \\ \hline 386 \\ 17 \\ \hline 4584 \\ - 386 \\ \hline 198 \end{array}$$

# 48

A cube has a volume of  $156\text{cm}^3$ . A pupil is estimating the length of one side of the cube. They must choose one of the five estimates below.

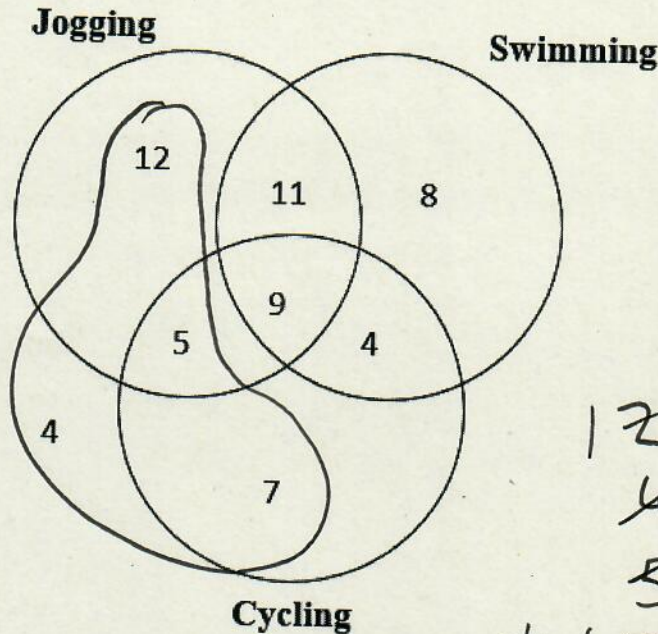
- A. The length is between 2cm and 3cm
- B. The length is between 3cm and 4cm
- C. The length is between 4cm and 5cm
- D. The length is between 5cm and 6cm
- E. The length is between 6cm and 7cm

Which letter represents the best estimate?

- A A    B B    C C    D D    E E

49

Isla investigated the types of exercise people like to do. Isla asks the people in Bloomfields shopping centre and draws the Venn Diagram below.



$$\begin{array}{r}
 12 \\
 4 \\
 5 \\
 + 17 \\
 \hline
 28
 \end{array}$$

How many pupils do not like swimming?

- A 32      B 24      C 8      D 4      **E 28**

50

40 people are coming to a barbecue at an adult's house. They plan to cook burgers and want to have enough for 3 burgers for each person, including themselves. Burgers are sold in packets of 8.

$$40 + 1 = 41$$

What is the least number of packets of burgers they should buy?

- A 15      B 8      **C 16**      D 5      E 43

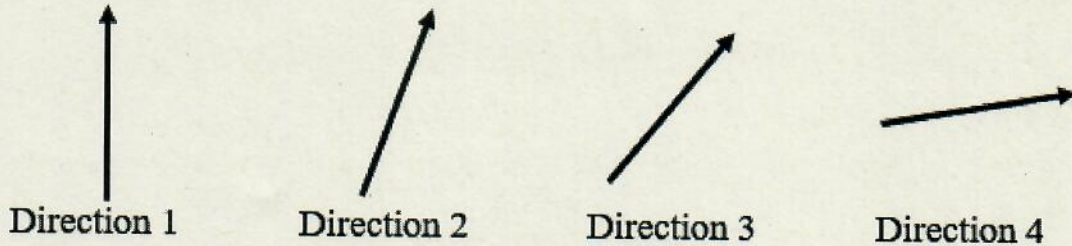
$$\begin{array}{r}
 41 \\
 \times 3 \\
 \hline
 123
 \end{array}$$

$$\begin{array}{r}
 015 \text{ r } 3 \\
 8 \overline{) 1243}
 \end{array}$$

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 four arrows below. Direction 1 points vertically upwards. Direction 2 is  $20^\circ$  clockwise from Direction 1. Direction 3 is  $20^\circ$  clockwise from Direction 2, and so on. This information is summarised in the table below.



Direction Number	1	2	3	4	5
Number of degrees turned clockwise from Direction 1	$0^\circ$	$20^\circ$	$40^\circ$	$60^\circ$	$80^\circ$
		$+20$	$+20$	$+20$	$+20$

What is the smallest direction number for which the arrow will again point vertically upwards after Direction 5?

(19)

6	7	8	9	10	11	12	13	14	15	16	17	18	(19)
100	120	140	160	180	200	220	240	260	280	300	320	340	360

# 52

Look at the equation below:

$$562788 \div 729 = 772$$

Using the equation above what is the answer to the equation below?

$$\begin{array}{r} \div 10 \quad \div 10 \quad 729 \\ 56278.8 \div 77.2 = \end{array}$$

Equivalent division



53

Each day Annie sleeps for 6 hours. A day is 24 hours.

For what percentage of the day is she awake?

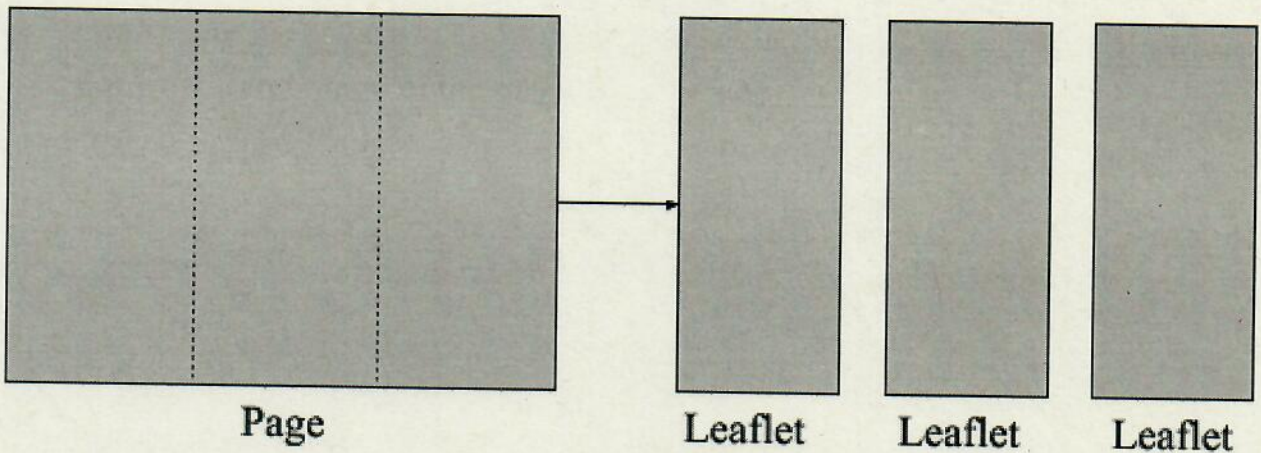
$$\frac{18}{24} = \frac{9}{12} = \frac{3}{4}$$

$$\begin{array}{r} 24 \\ - 6 \\ \hline 18 \end{array}$$

75%

54

A rectangular page is 0.1 mm thick. It is cut into thirds to make three leaflets as shown below. The three leaflets are rectangular and identical in size.



Leaflets made from 1000 pages are stacked in a vertical pile.

$$1 \text{ cm} = 10 \text{ mm}$$

What is the total height of the pile in centimetres?

$$1000 \times 3 = 3000$$

$$\begin{array}{r} 3000 \\ \times 0.1 \\ \hline 300.0 \end{array}$$

$$3000 \text{ mm} \div 10 = 300$$

300 cm

55

A plane has 42 seats in first class and 36 rows of seats in economy class. There are 12 seats in each row in economy class. The plane flies to America with 24 empty seats.

If every passenger has a seat, what is the total number of passengers on the plane?

$$\begin{array}{r} 36 \\ \times 12 \\ \hline 72 \\ 360 \\ \hline 432 \end{array}$$

$$\begin{array}{r} 432 \\ + 42 \\ \hline 474 \end{array}$$

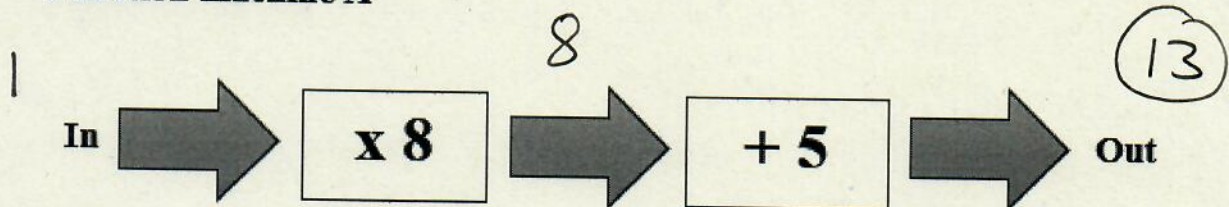
$$\begin{array}{r} 474 \\ - 24 \\ \hline 450 \end{array}$$

450

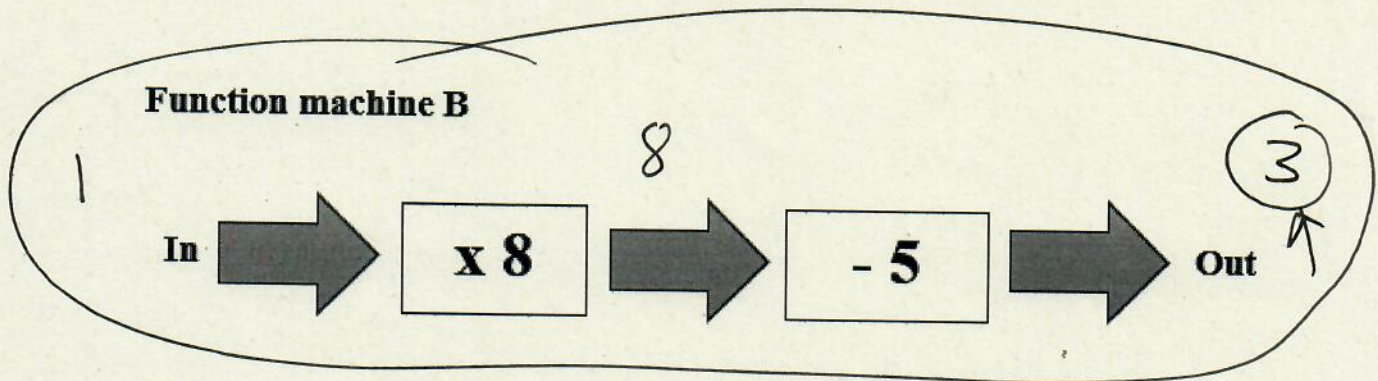
56

Look at the function machines below.

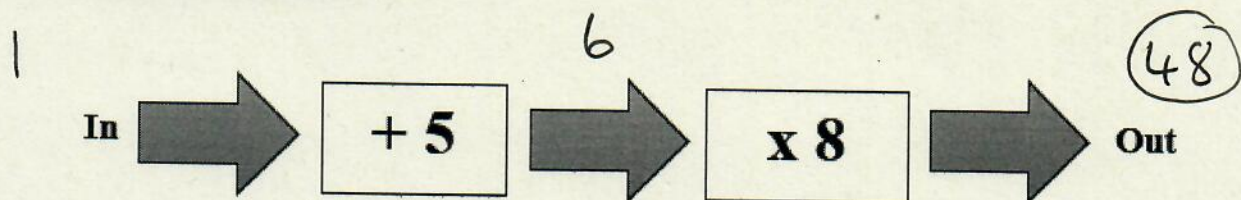
**Function machine A**



**Function machine B**



**Function machine C**



The same positive number is inputted into each function machine.

Which function machine will always output the smallest number (A-C)?

B