STIRLING TUITION

SEAG

Entrance Assessment

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Practice Paper 20

(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 I am writing to my pen pal Grace, who lives in a city called ~~Capital~~ Wellington in New Zealand.

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

Who	This	Which	What	Whose
A	B	C	D	E

coat is this? I will put it in lost property if is not claimed by the end of the day.

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 *Collection*
I have a large colection of Pokemon cards. I have been collecting them for ten years now.

A   B   C   D

Read this passage to yourself.

Extract from the Secret Garden by Frances Hodgson Burnett

The old Captain's stories were what frightened people worst of all. *(P4)* They were dreadful stories—about hanging, and walking the plank, storms at sea and wild acts and places on the Spanish Main. He must have lived his life among some of the wickedest men that God ever allowed upon the sea, and the language he used in these stories shocked our simple country people almost as much as the crimes that he described. *(P5)*

My father was always saying the inn would be ruined, for people would soon stop coming there, but I really believe the old Captain's presence did us good. People were frightened at the time, but on looking back they rather liked it; it was a fine excitement in a quiet country life, and there was even a party of the younger men who pretended to admire him, calling him a 'true sea-dog' and a 'real old salt' and such like names.

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 country people's feelings towards the old Captain's stories?

A They all hate the old Captain's stories.
B They all love the old Captain's stories.
C They are frightened by the old Captain's stories.
D They are frightened and excited by the old Captain's stories.
E They are bored by the old Captain's stories.

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 "surprised"?

Shocked

END OF ENGLISH PRACTICE TEST
Do not turn over until you are told to do so ⚠

6

A forest has 120 squirrels. One of the squirrels gives birth to a litter of squirrels. There are now 100% more squirrels.

100% = Double

How many squirrels are there now?

100% of 120 = 120

A 120   B 180   C 240   D 200   E 280

$$\begin{array}{r} 120 \\ +120 \\ \hline 240 \end{array}$$

P7

Look at the first five numbers of a sequence below.

$$12 \overset{-5}{} 7 \overset{-5}{} 2 \overset{-5}{} -3 \overset{-5}{} -8 \overset{-5}{} (-13)$$

What is the sixth number in the sequence?

A 5   B -13   C -5   D -12   E 13

P8

Look at the 5 numbers below.

(920) 321 640 129 400
0.92 0.321 0.64 0.129 0.4

Which number is the largest?

(A 0.92) **B** 0.321 **C** 0.64 **D** 0.129 **E** 0.4

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

12 ← 19 ←
? [+7] [×4] 76
-7 ÷4

19
- 7
12

4)76
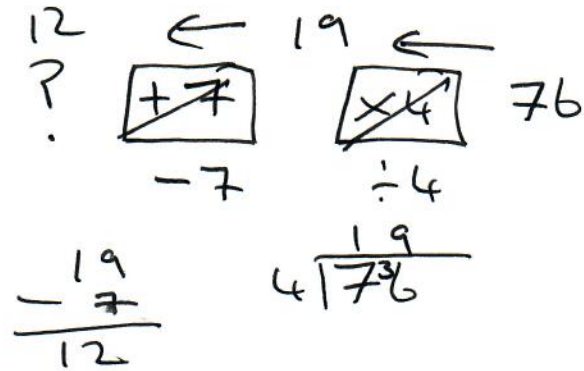
Grace thinks of a number. She adds 7 to it and then multiplies by 4.

Her answer is 76.

What number did Grace think of? (12)

P10

How many degrees are there in two and one sixth of a turn?

720
+ 60
780

1 = 360°
2 = 720°

1/6 of 360

(60)
6)360

(780°)

END OF MATHS PRACTICE TEST
Do not turn over until you are told to do so ⚠️

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 *(Apostophe missing)*
It's been such a long time since I saw him that I couldn't remember his name.
A   B   C   D

2 *(dash missing)*
Sadly, our dog Annie - who was very old can't go for walks on the beach anymore.
A   B   C   D

3
This year, my school is having a fashion show to raise money for local charities. *(N)*
A   B   C   D

4
don't think I would like to be stuck on top of a rollercoaster, would you. *(?)*
A   B   C   D

5 *(Speech marks)*
"Have fun at the park!" said Mum. But make sure you take care crossing the road."
A   B   C   D

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 Could you please repeat that? I have no

idea | ideas | plan | imagine | point what you said.
A   B   C   D   E

7 There are many birds in my garden and I feed

they | this | these | them | those everyday.
A   B   C   D   E

8 I live in Northern Ireland, but my family are originally

about | at | around | in | from Hong Kong.
A   B   C   D   E

9 I can go to the cinema with you on Saturday

or | until | before | after | also Sunday next week.
A   B   C   D   E

10 The bus was late so I was stands | had stood | standing | to stand | stand
                                                 A   B   C   D   E

in the rain for an hour!

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 *decided*

It rained all day on Saturday, so we desided to cancel our family barbeque.

A   B   (C)   D

12 *Autumn*

Autum is my favourite time of year because I love watching the leaves change colour.

(A)   B   C   D

13

I really do not like science even though a lot of people think that it is interesting. (N)

A   B   C   D

14 *queue*

We had a good time at Alton Towers but I didn't like having to qew for all the rides.

A   B   C   (D)

15 *safely*

If you want to cross the road safley, you should stop, wait and look both ways.

A   (B)   C   D

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

This extract is from Treasure Island by Robert Louis Stevenson. It tells the story of Jim, a young boy who lives in an inn in an English seaside town with his mother and father. A new guest at the inn, Bill, terrifies everyone at the inn with threats of violence. Bill dies, Jim finds a treasure map hidden in his things. After showing this map to Squire Trelawney, they decide to set sail to find the treasure. Jim goes along as a member of the crew. The squire hires some men, including Long John Silver as the ship's cook. This is the moment that Jim meets Long John Silver for the first time.

1. When I had finished breakfast, the squire gave me a note addressed to John Silver, to be
2. delivered to the Spyglass. He told me I would easily find the place by following the line
3. of the docks and keeping a lookout for a little inn with a large brass telescope for a
4. sign. I set off, overjoyed at this opportunity to see some more of the ships and sailors. I
5. picked my way among a great crowd of people and carts, for the dock was now at its
6. busiest, until I found the inn.
7. It was an entertaining little place. The sign was newly painted; the windows had neat
8. red curtains and there was fresh sawdust on the floor. There was a street on each side
9. and an open door on both, which made the large, low room pretty clear to see in, in
10. spite of clouds of tobacco smoke. The customers were mostly sailors, and they talked
11. so loudly that I paused at the door, almost afraid to enter.
12. As I was waiting, a man came out of a side room and I was sure he must be Long John.
13. His left leg was cut off close to the hip, and under his left shoulder he carried a crutch,
14. which he managed with wonderful skill, hopping about upon it like a bird. He was very
15. tall and strong, with a face as big as a ham—plain and pale, but intelligent and smiling.
16. Indeed, he seemed in the most cheerful spirits, whistling as he moved about among
17. the tables, with a merry word or a slap on the shoulder for his favourite guests.
18. Now, to tell you the truth, from the very first mention of Long John in Squire
19. Trelawney's letter I was afraid that he might be the very one-legged sailor whom I had
20. watched for so long at the old Benbow Inn. But one look at the man in front of me was
21. enough. I had seen the old Captain, and Black Dog, and the blind man, Pew, and I
22. thought I knew what a pirate was like—very different from this clean and pleasant-
23. tempered man in front of me.
24. I plucked up courage at once, crossed the threshold and walked right up to the man
25. where he stood, propped on his crutch, talking to a customer.
26. 'Mr. Silver, sir?' I asked, holding out the note.

Please go onto the next page >>>

27. 'Yes, my lad,' said he; 'that is my name, to be sure. And who are you?' And then as he

28. saw the squire's letter, he seemed to be startled.

29. 'Oh!' he said, quite loudly, and offering his hand. 'I see. You are our new cabin-boy;

30. I'm pleased to see you.'

31. And he took my hand in his large firm grasp.

32. Just then one of the customers at the far side rose suddenly and made for the door. He

33. was out in the street in a moment. But I noticed him and I recognized him at glance.

34. 'Oh,' I cried, 'stop him! It's Black Dog!'

35. 'I don't care who he is,' cried Silver. 'But he hasn't paid. Harry, run and catch him.' (22)

36. One of the others who was nearest the door leapt up and started to chase him.

37. 'Who did you say he was?' he asked. 'Black what?'

38. 'Dog, sir,' I said. "Has Mr. Trelawney not told you about the pirates? He was one of

39. them.'

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 1 – 5. The narrator is delivering a note that is addressed to:

A The squire
B Long John Silver
C The Spyglass
D The owner of the Spyglass
E A sailor

18   Look at lines 7 - 11. What do we learn about the Spyglass from these lines?

A It is a pleasant and newly painted inn.
B It is a tiny, dark inn.
C It is a frightening, spooky inn.
D It is hard to see because of the smoke.
E The inn is closed and the narrator can't see inside.

19   "...I paused at the door, almost afraid to enter." (line 11)
Why is the narrator afraid to enter the inn?

A He is shy.
B He doesn't like sailors.
C He doesn't like the smoke.
D The loud talking makes him nervous.
E He is not allowed into the inn.

20

Look at lines 12 – 17.

Which statement below best describes the narrator's first impression of Long John Silver?

A   He is big and pink like a ham.
B   He cannot walk because he only has one leg.
(C) He is a cheerful and intelligent man.
D   He looks like a bird.
E   He is violent and aggressive.

21

Look at lines 18 – 23. Which of the statements below best describes how the narrator is feeling before he gives Long John Silver the note?

A   He feels afraid because he thinks that Long John is a pirate.
(B) He feels confident because he thinks that Long John looks friendly.
C   He feels sorry for Long John because he only has one leg.
D   He feels impatient because he wants to deliver the note from the squire.
E   He feels relaxed because he knows Long John.

22

Read lines 34 - 39. Why did Long John shout for Harry to chase the customer?

A   The customer is Black Dog the pirate.
B   The customer has forgotten his coat.
(C) The customer has not paid his bill.
D   The customer is famous and Long John wants his autograph.
E   The customer was having a fight with Harry.

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

23

Look at lines 1 – 6. How will the narrator know which inn is the Spyglass?

Brass telescope for sign

24

Read lines 7 – 11. Find and copy 2 words or phrases from the text that show the Spyglass Inn is a nice place.

Two From: Entertaining , newly painted, neat red curtains, fresh sawdust.

25 "with a face as big as a ham" (line 15). **Which literary technique is this?**

Similie

26 Which word in line 24 means the same as bravery?

Courage

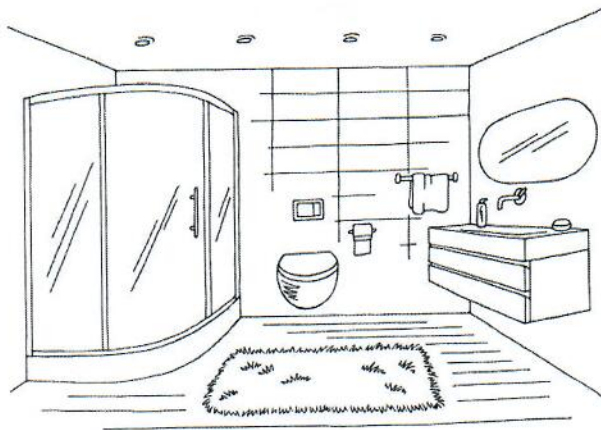**27** Which part of speech is "slap" as it appears in the passage? (line 17)

Noun

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

I (line 1)   me (line 1)   he (line 2)   my (line 5)

Pronoun

29

A bathroom measures 6m by 5m. Gemma buys a shower for the room which measures 4m by 4.5m.

What percentage of the bathroom floor is taken up by the shower?

A 30%   B 90%   C 18%   D 75%   E 60%

$6 \times 5 = 30m^2$

$\begin{array}{r} {}^2 4.5 \\ \times\ 4 \\ \hline 18.0m^2 \end{array}$

$\dfrac{18}{30} = \dfrac{6}{10} = 60\%.$

30

At a tennis club 13 of the players are right handed and 8 are left handed.

What fraction of the club are left handed?

$13 + 8 = 21 \ (Total)$

A $\frac{13}{21}$ B $\frac{8}{13}$ C $\frac{1}{2}$ D $\frac{8}{21}$ E $\frac{13}{8}$

$\dfrac{8}{21}$

31

Five runners ran 400 m. The table below shows the time taken by each runner in seconds.

1st	4th	3rd	5th	2nd
Runner A	Runner B	Runner C	Runner D	Runner E	Lowest time wins
47.06 secs	47.89 secs	47.76 secs	47.91 secs	47.1(3)ecs	

Which runner came second in the race?

A A   B B   C C   D D   E E

32

Plot the following coordinates on the grid below.

(2, 5)   (5, 8)   (8, 5)   (5, 2)
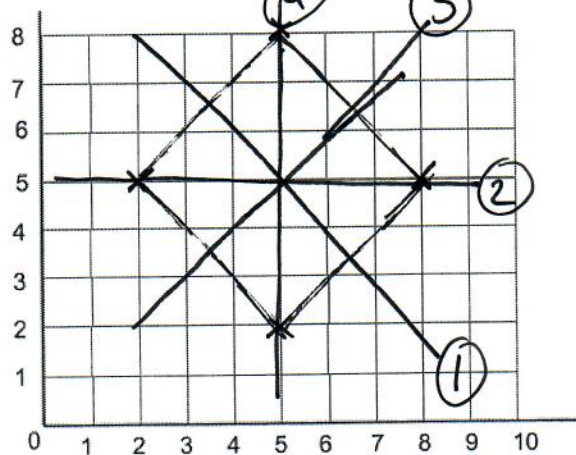
Square

How many lines of symmetry does the quadrilateral that is created by joining up the coordinates have?

A 0   B 1   C 2   D 3   E 4

Please go onto the next page >>>

33

Look at the triangle below.

12cm

6

~~12cm~~

11cm
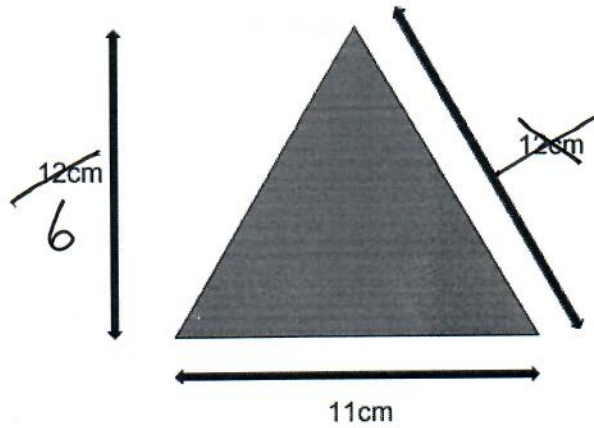
$6 \times 11 = 66$

What is the area of the triangle?

A 1584cm²   **B 66cm²**   C 144cm²   D 132cm²   E 35cm²

34

Sophie is binge watching her favourite box set on TV.

She decides to watch four episodes without any breaks before bed. The first episode lasts 21 minutes, the second 17 minutes, the third 18 minutes and the fourth 23 minutes. She begins watching the first episode at 14:49.

At what time does the fourth episode finish?

$$2\,1$$
$$1\,7$$
$$1\,8$$
$$+\,2\,3$$
$$\overline{7\,9}$$

1hr 19mins

$$14:49$$
$$+\,1:19$$
$$\overline{15\,68}$$
$$-\,60$$
$$\overline{16:08}$$

A 15:68   B 13:19   **C 16:08**   D 15:58   E 15:49

35

A carton of milk costs 99p. A loaf of bread cost £2.05. Grace has £13.12 to spend on milk and bread. Grace buys six cartons of milk.

What is the largest number of loaves of bread she can now buy?

$$99$$
$$\times\,6$$
$$\overline{£5.94}$$

$$13.12$$
$$-\,5.94$$
$$\overline{£7.18}$$

A 1   B 2   **C 3**   D 4   E 5

1 = £2.05
2 = £4.10
3 = £6.15
4 = £8.20

36

In P7 in a school there are two classes, Class one and Class two.

- On Monday there are 32 children in total in the two classes.
- On Tuesday 3 children from each class leave the school.
- On Wednesday 5 pupils from class one move to class two.
- There are now 7 pupils in class one.

How many pupils were in class two on Monday?

A 14   B 15   C 16   (D 17)   E 18

Handwritten working:
$$\frac{^2\cancel{3}^2}{-1\,5}$$
$(1\,7)$

$15 + \_ = 32$

	C1	C2
m	15 $^{+3}_{\cancel{}}$	17 $_{-3}$ (32)
T	12 $^{+5}_{\cancel{}}$	+5
W	7	

37

A packet contains 120 plastic sheets.

Each plastic sheet weighs 0.3 grams.

Handwritten working:
$$\begin{array}{r} 120 \\ \times\,0.3 \\ \hline 36.0\,g \end{array}$$

What is the weight of 120 sheets in kilograms?

A 36kg   B 3.6kg   C 0.36kg   (D 0.036kg)   E 0.0036kg

Handwritten working:

$1kg = 1000g$ $0.036 \div 1000 = 0.036\,kg$

38

Handwritten working:
$5\frac{1}{4}\,hrs = 5hrs\ 15mins$

A teacher is at work for 5.25 hours each day. They begin the workday at 10:46.

$\frac{1}{4}$ of $60 = 15$

At what time will they finish work?

A 15:11   (B 16:01)   C 15:25   D 17:45   E 16:11

Handwritten working:
$$\begin{array}{r} 10:4\overset{1}{6} \\ +\,5:15 \\ \hline 15\ 61 \\ -60 \\ \hline 16:01 \end{array}$$

Please go onto the next page >>>

39

Max records the number of golf shots he takes each day for a week.
He draws the graph below.
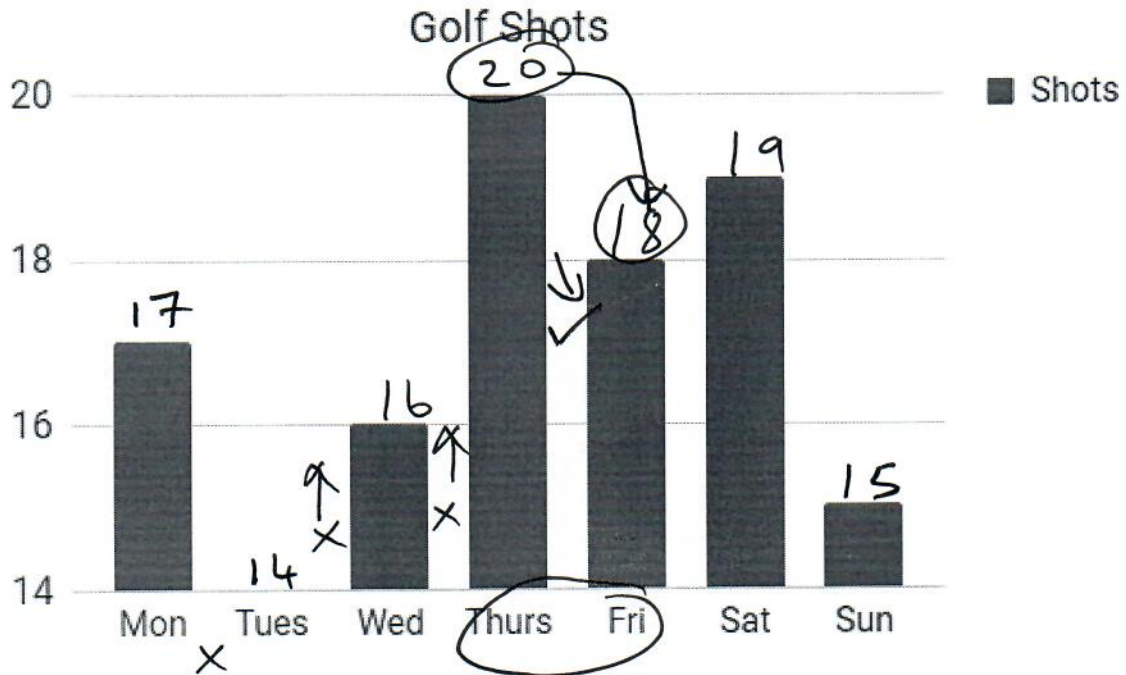
Look at the bar chart above.

Over which two consecutive days was there a 10% decrease in the shots he took?

A Mon-Tues

B Tues-Wed

C Thurs-Fri
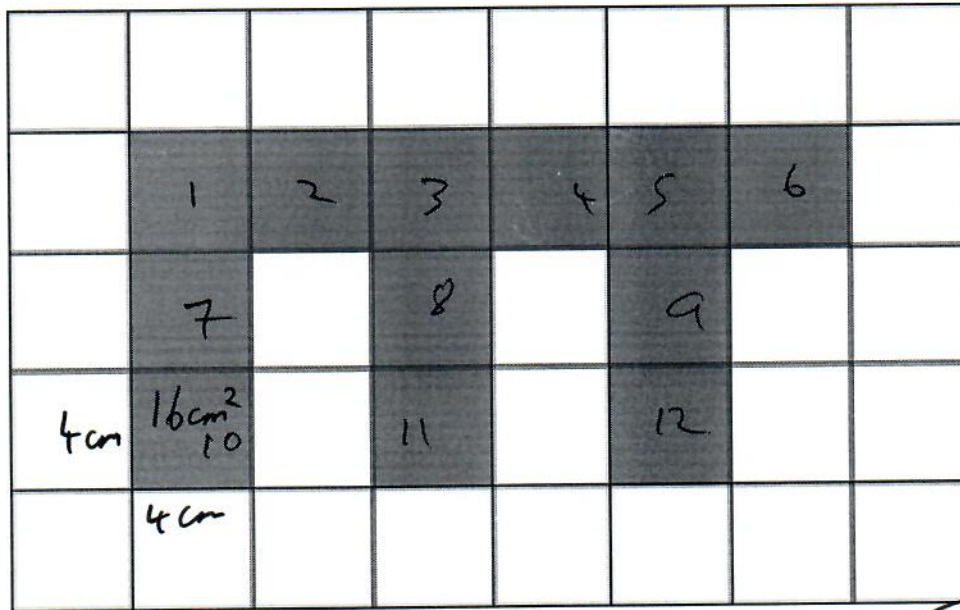
D Fri-Sat

E Sat-Sun

$10\% \text{ of } 20 =$

$\frac{1}{10} \text{ of } 20 = 2$

$\begin{array}{r} 20 \\ -\ 2 \\ \hline 18 \end{array}$

40

Below is a grid made up of <u>40 squares</u>. Twelve of these squares are shaded.

Each square has a side of 4cm.

	1	2	3	4	5	6	
7		8		9		
4cm	16cm² 10		11		12		
	4cm					

What percentage of the grid is shaded?

A 25%   B 10%   C 12%   D 40%   (E 30%)

$\frac{12}{40} \div \frac{2}{2} = \frac{6}{20} \times 5 = \frac{30}{100}$
$\div 2 \times \times 5$

41

Look again at the grid above in question 40.

What is the area of the shaded shape?

A 16cm²   B 640cm²   C 48cm²   (D 192cm²)   E 104cm²

$\begin{array}{r} 16 \\ \times 1\,2 \\ \hline 3\,2 \\ 1\,6\,0 \\ \hline 1\,9\,2 \end{array}$

42 Look at the pattern below. It is made up of white and grey tiles.

Pattern 1 +2   Pattern 2 +1   Pattern 3 +2   Pattern 4 +1
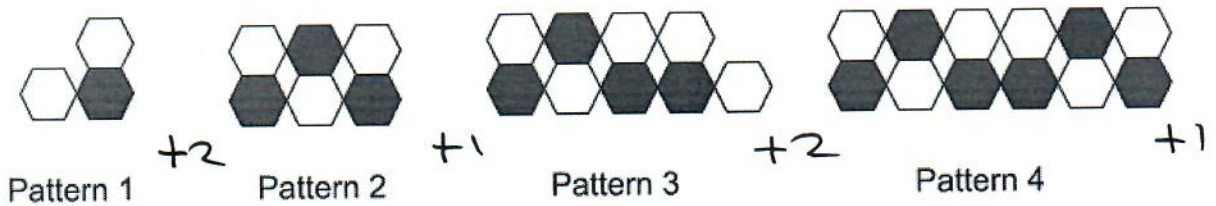
How many black tiles are needed to make the sixth pattern?

A 8   **B 9**   C 18   D 7   E 12

P	1	2	3	4	5	6
B	1	3	4	6	7	9
W	2	3	5	6		

43 A square has an area of 54.8cm². A pupil is estimating the length of one side of the square.

A. The length is between 6cm and 7cm
B. The length is between 7cm and 8cm
C. The length is between 8cm and 9cm
D. The length is between 9cm and 10cm
E. The length is between 10cm and 11cm

$7 \times 7 = 49$

$8 \times 8 = 64$

They must choose one of the four estimates above.

Which estimate above (A-E) is the most accurate?

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

44

Look at the five fractions below.

$$\frac{5}{8} \overset{\times 3}{\underset{\times 3}{\frac{15}{24}}} \qquad \frac{2}{3} \overset{\times 8}{\underset{\times 8}{\frac{16}{24}}} \qquad \frac{7}{12} \overset{\times 2}{\underset{\times 2}{\frac{14}{24}}} \qquad \frac{5}{6} \overset{\times 4}{\underset{\times 4}{\frac{20}{24}}} \qquad \frac{1}{2} \overset{\times 12}{\underset{\times 12}{\frac{12}{24}}}$$

Which one is the largest fraction?

A $\frac{5}{8}$

B $\frac{2}{3}$

C $\frac{7}{12}$

D $\frac{5}{6}$

E $\frac{1}{2}$

45

Grace is doing an exam. She needs to complete all four of the exams and score and average which is more the 100. Her scores for the four exams are below.

Exam 1 = 84

Exam 2 = 112

Exam 3 = 91

Exam 4 = 105

$$84 + 112 + 91 + 105 = 292$$

$$4 \overline{)292} = 98$$

What is the mean (average) score for the four tests?

A 21   B 292   C 99   D 98   E 111

46 John has a square wall to paint. The height of the wall is 3m.

He can only buy the paint he needs in 2 litre tins, which covers 2m² of wall.

What is the least number of tins he must buy?

$3 \times 3 = 9m^2$

A 3   B 9   C 5   D 7   E 1

$$\begin{array}{r} 4.5 \, \leftarrow \text{needs} \\ \hline 2m^2 \, \overline{)9m^2} \end{array} \quad \begin{array}{l} \text{extra} \\ \text{tin} \end{array}$$

---

47 Look at the equation below:

÷1000 ÷10

772 x 729 = 562788

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

÷1000 ÷10

0.772 x 72.9 = $\underline{56.2788}$

÷1000 ÷10

A 56278.8   B 5627.88   C 562.788   D 56.2788   E 5.62788

---

48 Look at the 5 shapes below.

360   360   360   360   360

360
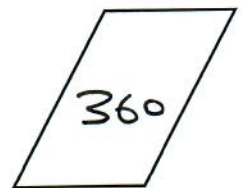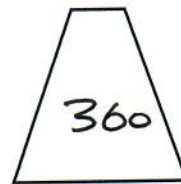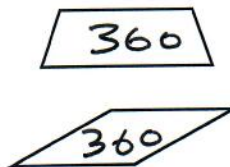
What is the total of all the angles in the five quadrilaterals?

$$\begin{array}{r} ^3 360 \\ \times \, 5 \\ \hline 1800 \end{array}$$

A 180°   B 1800°   C 360°   D 900°   E 3600°

49

Look at the five mathematical statements below.

A. $27 \div 3 = 9 \div 1$ ✓
    (9)   (9)

B. $3 \times 24 = 24 \times 3$ ✓

C. $178 + 123 = 123 + 178$ ✓

D. $624 - 197 = 197 - 624$ ✗

E. $97 \div 9 = 9 \div 97$ ✗

Which two mathematical statements above (A-E) are false?

A A,C   B B,E   C D,E   D A,E   E C,D

50

$$
\begin{array}{r}
\overset{6}{4}8 \\
\times\ 18 \\
\hline
384 \\
1480 \\
\hline
864 \\
\end{array}
$$

A farmer plants 48 rows of seeds. He plants 18 seeds in each row.

How many seeds does he plant in total?

A 848   B 864   C 912   D 736   E 688

Please go onto the next page >>>

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

A parent is working out their electricity bill on their calculator. After correctly calculating the bill in pounds, the calculator display is shown below.

56.2 0

How much must they pay?

£56.20

52

A pupil is standing at the front of the class during a maths lesson. Their teacher asks them to describe a 3D shape that they have hidden from view from the rest of the class. Below is their description.

- It has 5 vertices.

- It has 8 edges.

- It has 5 faces.
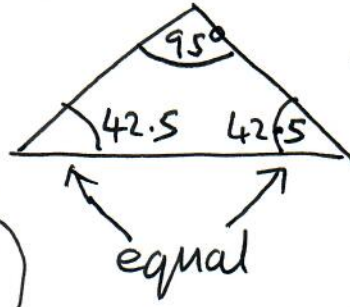
What 3D shape is the pupil describing?

Square based pyramid

53

In an isosceles triangle one angle is 95°.

$$95°$$
$$42.5 \quad 42.5$$

$$\begin{array}{r} {}^{17}\cancel{1}8\cancel{0} \\ -\ 95 \\ \hline 85 \end{array}$$

What are the sizes of the other two angles?

$$\boxed{42.5° \text{ and } 42.5°}$$

equal

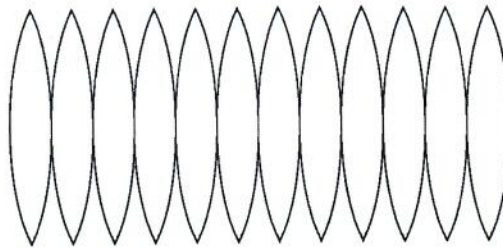$$\begin{array}{r} 42.5 \\ 2\overline{)85.0} \end{array}$$

54

Look at the nets below labelled A and B.

A
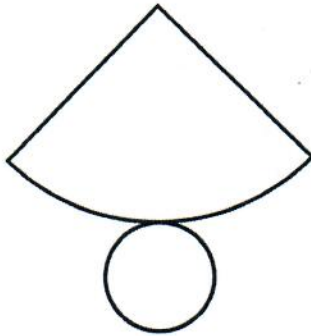
B

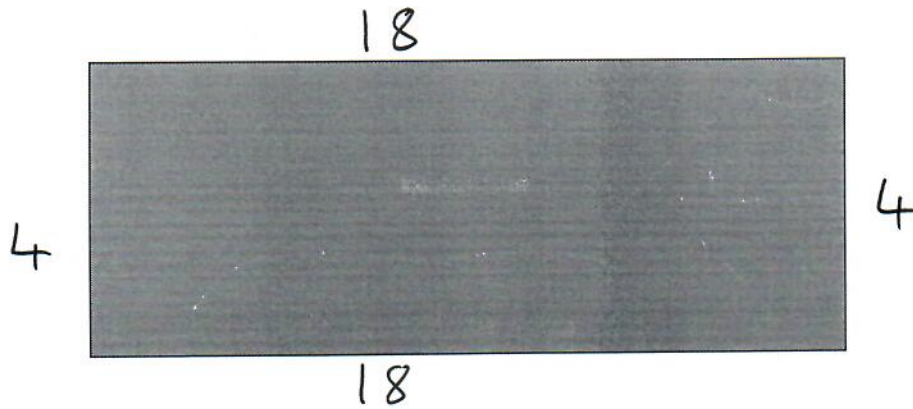**What is the correct name for 3D shapes that these nets create?**

$$\boxed{A = Cone \quad B = Sphere}$$

55

18

4   4

18

A rectangle has an area of 72 cm² and a perimeter of 44cm. The lengths of the sides are whole numbers.

$\overline{72}$

What are the lengths of the sides of the rectangle?

1	72
2	36
3	24
4	18
6	12

4cm and 18cm

$4\overline{)7^3 2}$ $3\overline{)7^1 2}$

56   Look at the four numbers below.

50%   60%   63%   49%
$\frac{1}{2}$ $\frac{3}{5}$ 0.63   49%

49% $\frac{1}{2}$ $\frac{3}{5}$ 0.63
Smallest   Largest

What are the numbers in order of size from smallest to largest?

END OF TEST