STIRLING TUITION

SEAG

Entrance Assessment

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Practice Paper 4

(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 "Why is your room such a mess," said Mum. I asked you to tidy it over a week ago!"

[Handwritten: Question]

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   My washing machine isn't working, can you take a look at

| itself | its | this | that | it | please?
| 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   I only got an avrage mark in my school assessment so I was a little bit disappointed.

[Handwritten: average]

A   B   C   D

Read this passage to yourself.

There were three of them. Roberta was the eldest. Of course, Mothers never have favourites, but if their Mother had had a favourite, it might have been Roberta. Next came Peter, who wished to be an Engineer when he grew up; and the youngest was Phyllis, who meant extremely well.

Mother did not spend all her time in paying dull calls to dull ladies, and sitting dully at home waiting for dull ladies to pay calls to her. She was almost always there, ready to play with the children, and read to them, and help them to do their home-lessons. Besides this she used to write stories for them while they were at school, and read them aloud after tea, and she always made up funny pieces of poetry for their birthdays and for other great occasions, such as the christening of the new kittens, or the refurnishing of the doll's house, or the time when they were getting over the mumps.

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 children's mother?

A She doesn't spend much time with the children.
B She spends all her time with her friends.
C She spends lots of time doing fun things with the children.
D She spends all her time writing.
E She spends all her time alone.

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 "boring"?

dull

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

Maths – Practice Test

P6

Look at the statement below.

A ÷ 12 = 156

What is the value of A?

$$\begin{array}{r} 1 \\ 156 \\ \times\ 12 \\ \hline 312 \\ 1560 \\ \hline 1872 \end{array}$$
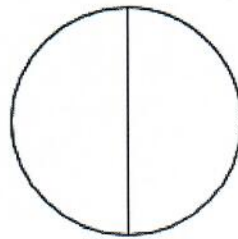
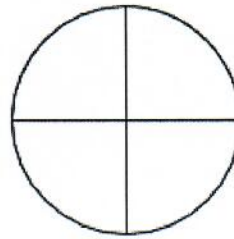A 2145 B 13 (C 1872) D 12 E 144

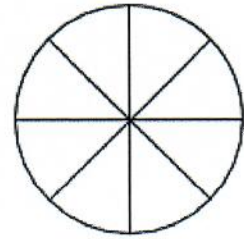
P7

Look at the sequence of patterns below:
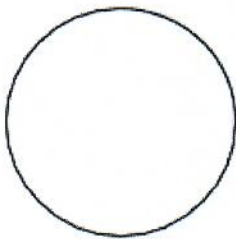
Pattern 1 Pattern 2 Pattern 3 Pattern 4

How many sections will there be in Pattern 8?

A 40 (B 128) C 16 D 32 E 64

1	2	3	4	5	6	7	8
1	2	4	8	16	32	64	(128)

×2 ×2 ×2 ×2 ×2 ×2 ×2

P8 A supermarket is organising its shelves. A full shelf must have 4 rows. There are 86 rows to allocate in the supermarket.

How many of the shelves will not be in a set of 4?

$$\begin{array}{r} 21\ (r2) \\ 4\overline{)86} \end{array}$$

A 82   B 21   C 11   D 8   E 2

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.

$$\begin{array}{c} \times 2 \\ \overline{3} \end{array} \text{ of } 360 = 240$$

$$3\overline{)360} = 120 \qquad \begin{array}{r} 120 \\ \times 2 \\ \hline 240 \end{array}$$

P9 **What angle are you left with when you subtract $2/3$ of a complete turn from 650°?**

$$\begin{array}{r} 650 \\ -240 \\ \hline 410 \end{array}$$

$$\boxed{410°}$$

P10 **30 people are surveyed on the street** by Toby.
The table below shows the **number of TVs** owned by the people passing.

Number of TVs	People
0	6
1	9
2	? 12
3 or more	3

$$\begin{array}{r} 6 \\ 9 \\ +3 \\ \hline 18 \end{array} \qquad \begin{array}{r} 30 \\ -18 \\ \hline 12 \end{array}$$

How many people own only **two TVs?**

$$\boxed{12}$$

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

Question

1 I heard that you started guitar lessons last month. Are you enjoying it?

   A   B   C   (D)

Dash

2 My grandma – who is ninety six years old still enjoys singing in the church choir.

   A   B   (C)   D

Speech marks

3 "I think that we should take a break for lunch now," I said. I am starving!"

   A   B   C   (D)

4 I ran out of time during the exam so I didn't have time to check my work.   N

   A   B   C   D

Apostrophe

5 Did you know that a dogs hearing is over four times greater than a human's?

   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   All the students are under | force | | pressure | | strength | | weights | | power |
                           A   B   C   D   E

because their exams are next month.

7   I thought you did well in the talent competition. Don't be so hard on

| you | | me | | myself | | my | | yourself |
  A   B   C   D   E

8   My baby sister slept | before | | after | | through | | in | | on |
                               A   B   C   D   E

the night for the first time this week.

9   I learned how to swim | while | | on | | although | | so | | unless |
                                A   B   C   D   E

I was on holiday in France.

10   After | study | | studies | | studied | | studying | | not studying |
                      A   B   C   D   E

all day, Grace decided to take a break for half 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 *bicycle*

He usually rides his (bycicle) to school, but his dad gives him a lift when it is raining.

    A   (B)   C   D

12 *ceiling*

Today was the most boring day! I just lay in bed for hours staring at the (ceeling.)

    A   B   C   (D)

13 *changeable*

The weather is so (changable) in April. One minute it is raining and the next it is sunny.

    A   (B)   C   D

14 *breathe*

As the fire spread, the room was filled with smoke and it was getting difficult to (breath)

    A   B   C   (D)

15

In this task you need to find the similarities and the differences between the two poems.

    A   B   C   D

[N]

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

Extract from The Railway Children by E. Nesbit

1. After the adventure of Peter's coal-mine, it seemed well to the children to keep away from

2. the station—but they did not, they could not, keep away from the railway. They had lived

3. all their lives in a street where cabs and omnibuses rumbled by at all hours, and the carts

4. of butchers and bakers and candlestick makers (I never saw a candlestick-maker's cart;

5. did you?) might occur at any moment. Here in the deep silence of the sleeping country

6. the only things that went by were the trains. They seemed to be all that was left to link the

7. children to the old life that had once been theirs. Straight down the hill in front of Three

8. Chimneys the daily passage of their six feet began to mark a path across the crisp, short

9. turf. They began to know the hours when certain trains passed, and they gave names to

10. them. The 9.15 up was called the Green Dragon. The 10.7 down was the Worm of

11. Wantley. The midnight town express, whose shrieking rush they sometimes woke from

12. their dreams to hear, was the Fearsome Fly-by-night. Peter got up once, in chill starshine,

13. and, peeping at it through his curtains, named it on the spot.

14. It was by the Green Dragon that the old gentleman travelled. He was a very nice-looking

15. old gentleman, and he looked as if he were nice, too, which is not at all the same thing.

16. He had a fresh-coloured, clean-shaven face and white hair, and he wore rather odd-

17. shaped collars and a top-hat that wasn't exactly the same kind as other people's. Of course

18. the children didn't see all this at first. In fact the first thing they noticed about the old

19. gentleman was his hand.

20. It was one morning as they sat on the fence waiting for the Green Dragon, which was

21. three and a quarter minutes late by Peter's Waterbury watch that he had had given him on

22. his last birthday.

23. "The Green Dragon's going where Father is," said Phyllis; "if it were a really real dragon,

24. we could stop it and ask it to take our love to Father."

25. "Dragons don't carry people's love," said Peter; "they'd be above it."

26. "Yes, they do, if you tame them thoroughly first. They fetch and carry like pet spaniels,"

27. said Phyllis, "and feed out of your hand. I wonder why Father never writes to us."

(24)

28. "Mother says he's been too busy," said Bobbie; "but he'll write soon, she says."

29. "I say," Phyllis suggested, "let's all wave to the Green Dragon as it goes by. If it's a magic

30. dragon, it'll understand and take our loves to Father. And if it isn't, three waves aren't

31. much. We shall never miss them." (20)

(26)

32. So when the Green Dragon tore shrieking out of the mouth of its dark lair, which was the

33. tunnel, all three children stood on the railing and waved their pocket-handkerchiefs

34. without stopping to think whether they were clean handkerchiefs or the reverse. They

35. were, as a matter of fact, very much the reverse. (21)

(25)

36. And out of a first-class carriage a hand waved back. A quite clean hand. It held a

37. newspaper. It was the old gentleman's hand.

38. After this it became the custom for waves to be exchanged between the children and the

39. 9.15.

(22)

40. And the children, especially the girls, liked to think that perhaps the old gentleman knew

41. Father, and would meet him 'in business,' wherever that shady retreat might be, and tell

42. him how his three children stood on a rail far away in the green country and waved their

43. love to him every morning, wet or fine. (22)

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

"the Worm of Wantley" and "the Fearsome Fly-by-night" (lines 10 – 12)
These are two of the names that the children give to some of the trains in the story. Which literary technique is being used in these lines?

    A   personification
    B   simile
    C   metaphor
    D   alliteration
    E   onomatopoeia

17

Look at lines 1 – 6. Which statement below best explains why the children spend so much time at the railway?

    A   They want to get on the train and go back to their old home.
    B   The trains are the most interesting thing to see in the countryside.
    C   The children's mother makes them go to the railway every day.
    D   The children have never seen a train before and they are curious.
    E   The children's father works on the railway.

18

Which of the following statements is true about the "Fearsome Fly-by-night"?

    A   It is a train which travels at night.
    B   It is a ghost train.
    C   It is a passenger train.
    D   It is a train which appears in the children's dreams.
    E   It is a quiet train.

19

"He was a very nice-looking old gentleman, and he looked as if he were nice, too, which is not at all the same thing." (lines 14 – 15)
What is the meaning of this line? Tick the best answer.

    A   The old gentleman has nice clothes.
    B   The old gentleman is very handsome.
    C   The old gentleman is nice to the children.
    D   The old gentleman looks nice physically and he also looks like he is a kind person.
    E   The old gentleman looks nice physically but in reality he is not a kind person.

20   **Read lines 29 -31. Why does Phyllis wave to the Green Dragon?**

     A   Phyllis thinks that the Green Dragon is a real dragon.
     B   Phyllis wants the Green Dragon train to stop so that she can get on.
     C   Phyllis is bored and has nothing better to do than to wave at the Green Dragon.
     D   Phyllis thinks that her father is on the Green Dragon train.
     E   Phyllis likes to pretend that the train is a real dragon who will take her love to her father.

21   **"They were, as a matter of fact, very much the reverse."** (lines 34 – 35)
     What does this line tell us about the children's handkerchiefs? Tick the best answer.

     A   The children's handkerchiefs are not clean.
     B   The children's handkerchiefs are clean.
     C   The children are waving their handkerchiefs the wrong way.
     D   The children's handkerchiefs are turned inside out.
     E   The children are waving their handkerchiefs backwards.

22   **Look at lines 40 - 43 . Which statement best describes how the children feel about their father?**

     A   The children wish that the old gentleman was their father .
     B   The children think that their dad is shady and dishonest.
     C   The children, especially the girls, love and miss their father.
     D   The children think that they will never see their father again.
     E   Only the girls love and miss their father.

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

23   **Look at lines 2 - 5. List the three different kinds of carts which would be seen regularly in the street?**

     butchers , bakers , candlestick makers .

24   **Look at lines 26 – 28. Why does the children's father not write to them? Who told the children this?**

     To busy – Mother

Page 12   Please go onto the next page >>>

25 Look at lines 36-39. Do you think that the old gentleman is wealthy? Give a reason for your answer.

Yes - travelling first class

26 Which word in line 32 means the same as screaming?

shrieking

27 Which part of speech is "love" as it appears in the passage? (line 24)

Noun

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

by (line 3)   at (line 5)   down (line 7)   across (line 8)

Preposition

29

Each half netball match lasts 17 minutes, there is a 10-minute break at half-time. The netball match starts at 2:55pm.

At what time did the game end?

Handwritten working:

1st	Br	2nd
17m	10m	17m

17
17
+10
44

$\begin{array}{r} 14\!:\!55 \\ +\quad 44 \\ \hline 14\!:\!99 \end{array}$

A 14:12 B 3:22pm (C 15:39) D 2:12pm E 15:22

$\begin{array}{r} 14\!:\!99 \\ -60 \\ \hline 15\!:\!39 \end{array}$

30

Bag A, B and C contain sweets. There are 3 types of sweets: fizzy, sour and sweet. The number of sweets in each bag is:

Bag A	Bag B	Bag C	Bag D	Bag E
3 Fizzy	4 Fizzy	7 Fizzy	3 Fizzy	5 Fizzy
9 Sour	6 Sour	3 Sour	4 Sour	5 Sour
2 Sweet	4 Sweet	4 Sweet	7 Sweet	4 Sweet

Handwritten: 3/14 4/14 7/14 3/14 5/14

I choose a sweet at random from each bag.

Handwritten: 50% or $\frac{1}{2}$

For which bag is the chance of picking a fizzy sweet is an <u>even chance</u>?

A A B B (C C) D D E E

31

The table below shows the temperature in Moscow as Jen and Sam walk around the city sightseeing. There are 2 temperatures missing from the table.

Time	6 am	9 am	12 noon
Temperature in °C	-5	2	– 8

$-5 \overset{+5}{\frown} \overset{+2}{\frown} 2$

$\overset{-8}{\frown} \overset{-2}{\frown}$ ⌐8 0 2
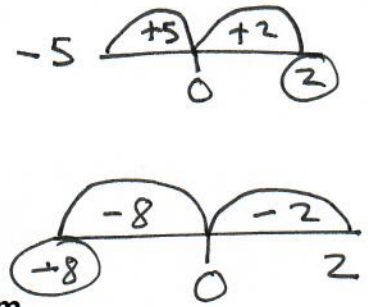
- The temperature **increased** by **7°C** between **6am** and **9am**.
- The temperature **decreased** by **10°C** between **9am** and **12 noon**.

What was the temperature at 12 noon?

(A -8°C)　　　B 8°C　　　C -10°C　　　D 12°C　　　E -22°C

32

It costs £9.72 for 2.25 litres of milk.

How much would it cost for $^3/_4$ of a litre?

0.75 L

A £7.29　　　B £2.43　　　C £1.08　　　D £7.50　　　(E £3.24)

$\div 9 \begin{pmatrix} £9.72 & = & 2.25 \text{ L} \\ £1.08 & = & 0.25 \text{ L} \\ & = & 0.75 \text{ L} \end{pmatrix} \begin{array}{l} \div 9 \\ \times 3 \end{array}$

1.08 ×3 (£3.24)

9 ⟌ 9.7²2

$\begin{array}{r} 1.\overset{2}{0}8 \\ \times\ 3 \\ \hline 3.24 \end{array}$

33

Jen measures the length of each of the five pencils in her pencil case. The mean (average) length of the pencils is 12cm. Below is the lengths of four of the pencils.

Pencil 1	11cm
Pencil 2	15cm
Pencil 3	13cm
Pencil 4	17cm
Pencil 5	4 cm

(handwritten: 26, +30, 56)

(handwritten: $60 \div 5 = 12$, 56×5, 4)

What is the length of the fifth pencil?

A 8   B 12   C 6   (D 4)   E 15

34

A bag of sweets costs £1.30.

What is the largest number of bags I can buy with £20?

A 20   (B 15)   C 13   D 16   E 14

(handwritten:
£1.30 × 10 = £13
£13 = 10
£14.30 = 11
£15.60 = 12
£16.90 = 13
£18.20 = 14
£19.50 = (15)*)*

35

Look at the calculation below.

(7²) - 2³ = ?

(handwritten: 49 − 8 = 41)

(handwritten: 7×7, 2×2×2, (49) − (8))

What is the answer to the calculation?

(A 41)   B 49   C 8   D 58   E 43

Please go onto the next page >>>

36 What is the number in the space below that makes the statement true?

6 is _____3_____ % of 200

$\frac{6}{200} = \frac{3}{100} = 3\%.$

A 15   B 12   C 33.3̇   (D 3)   E 60

0.6 × 100 = 60 cm

37 An outdoor pool is originally 0.6 m deep. It rains constantly for 7 hours. During each of these hours the pool level rises by 13 cm.

How many centimetres deep is the pool at the end of the 7 hours?

$\begin{array}{r} 2\,13 \\ \times\ 7 \\ \hline 91 \\ +60 \\ \hline 151\,cm \end{array}$

A 1.51m   B 0.73m   (C 151cm)   D 122cm   E 73cm

---

38 A TV programme lasts 0.25 hours.

$\frac{1}{4}$

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

How many seconds is this?

A 1600   B 1500   C 2000   D 2500   (E 900)

$\begin{array}{r} \overset{3}{1}5 \\ \times\ 60 \\ \hline 900 \end{array}$

Please go onto the next page >>>

39   Look at the quadrilateral below.
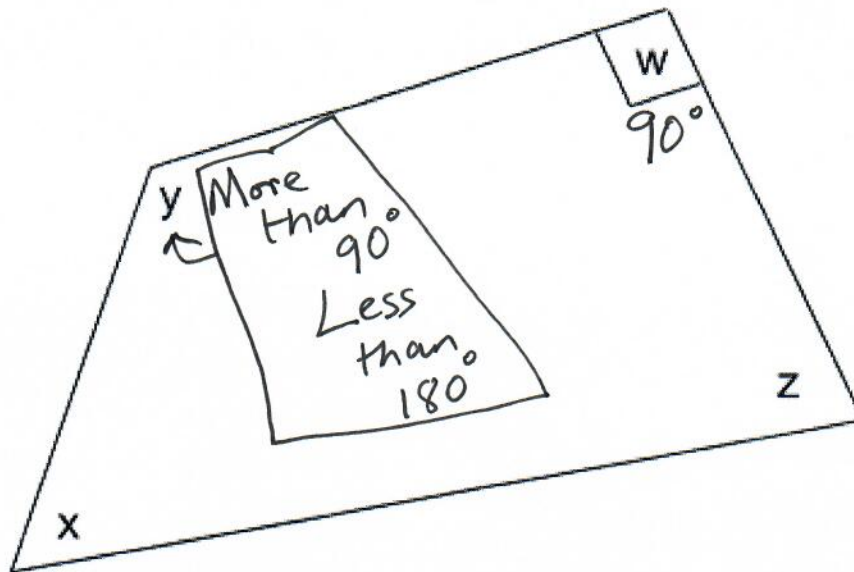
If angle y is added to angle w, what type of angle would this be?

A Reflex

B Obtuse

C Right

D Acute

E Parallel

$$90$$
$$+110 \; (\text{Ish})$$
$$\overline{200} = \text{Reflex}$$

40
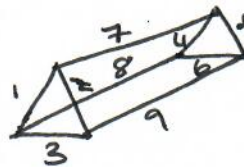
Look at the shapes below. They make up the net of a 3D shape.
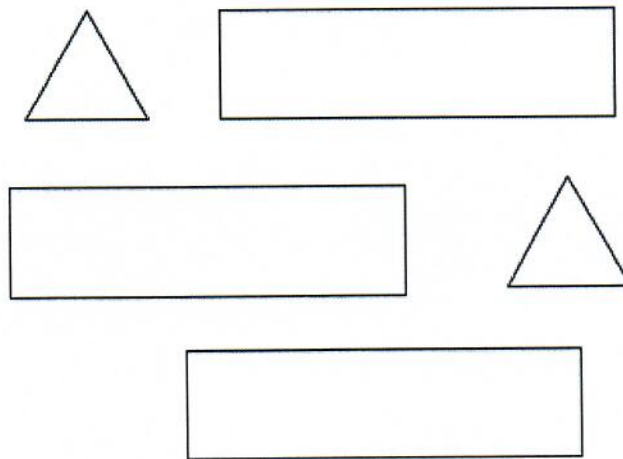
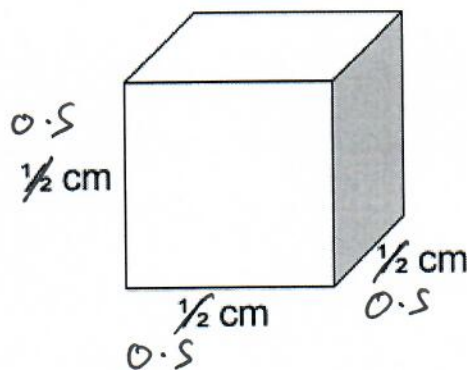**When constructed, how many edges does this 3D shape have?**

A 5

B 6

C 18

D 12

E 9

Triangular based pyramid

41

Look at the small cube below. Each of its sides have a length of $1/2$ cm.

3DP

0·5
½ cm

½ cm
0·5

½ cm
0·5

½ cm
0·5

$0.5 \times 0.5 \times 0.5 =$

$5 \times 5 \times 5 = 0.125$

What is the volume of the cube?

A 12.5cm   B 0.0125cm   C 0.125cm   D 125cm   E 1.25cm

42

Look at the train timetable below:

Stop	Train 1	Train 2	Train 3
Bangor	08:42	09:11	09:39
Bangor West	08:50	09:18	09:41
Hollywood	08:57	09:25	09:50
Belfast Central	09:03	09:30	10:03
Victoria	09:10	09:37	10:08

Handwritten working:

① 08:57 − 08:42 = 00:15

② 09:25 − 09:11 = 00:14

③ 09:56 − 09:39 = 0:11

15 ①
14 ②
+11 ③
40

How many minutes in total does it take the three trains to travel from Bangor to Hollywood?

(A 40)   B 15   C 45   D 14   E 29

43

Handwritten: 21 days

Barney goes on holiday in exactly (3 weeks). Today is the 18th of June.   *Handwritten: 30 days*

Handwritten working:
18
+21
39
−30
9

What date does Barney go on holiday?

A 6ᵗʰ July   B 7ᵗʰ July   C 8ᵗʰ July   (D 9ᵗʰ July)   E 10ᵗʰ July

44

A taxi company uses the formula below to work out the total charge for each passenger.

40p x Miles + £3.25 = Total Charge

Ruth is charges £8.45 for her journey.

How many miles did Ruth travel?

A 10

B 9

C 12

D 15

E 13

$$\begin{array}{r} 8.45 \\ -\ 3.25 \\ \hline 5.20 \end{array}$$

$$\begin{array}{r} 13 \\ 40\overline{)5.20} \end{array}$$

45

John was given £150 for his birthday. He gave 30% of this money to charity. He spent $\frac{1}{4}$ of his remaining money on a bicycle.

$$\times \frac{3}{10} \text{ of } 150 =$$

$$150 \div 10 = 15$$
$$\times 3$$
$$45$$

$$\begin{array}{r} 1\overset{4}{\cancel{5}}0 \\ 45 \\ \hline £105 \end{array}$$

$$\frac{3}{10}$$

How much did the bicycle cost?

$$\begin{array}{r} 26.25 \\ 4\overline{)105.00} \end{array}$$

A £45   B £47.50   C £26.25   D £103.25   E £67.75

46 Ruth is facing Northeast. She turns anti-clockwise through three $\frac{1}{2}$ turns.

In which direction is Ruth now facing?
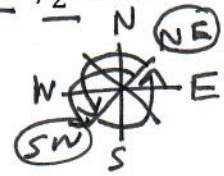
A North East   B South West   C West   D South East   E South

(B South West is circled)

---

47 Sam is at the beach and notices that lots of starfish have been washed up. All the starfish have the same number of legs. He counts a total of 216 legs on 12 starfish.

How many legs are on each starfish?

$$12\,\overline{)2\,\overset{0\ 1\ 8}{^{16}}}$$

A 18   B 2592   C 8   D 2162   E 12

(A 18 is circled)

---

48 Each day Clare sleeps for 6 hours.

If a day is 24 hours, what fraction of the day is she awake?

A $\frac{1}{4}$

B $\frac{2}{3}$

C $\frac{1}{2}$

D $\frac{3}{4}$

E $\frac{1}{3}$

$$\frac{18}{24} \overset{\div 2}{\underset{\div 2}{=}} \frac{9}{12} \overset{\div 3}{\underset{\div 3}{=}} \frac{3}{4}$$

(D $\frac{3}{4}$ is circled)

49

What number is exactly halfway between 126 and 193?

A 163   (B 159.5)   C 319   D 79   E 147.5

$$\begin{array}{r} 193 \\ +126 \\ \hline \end{array}$$

$$2\overline{)3^11^19.^10}$$

$$159.5$$

50

Look at the triangle positioned in a square below.

18

Triangle Area =
½ of the square.

6
6 | 36cm² | 6
× 6 = 36
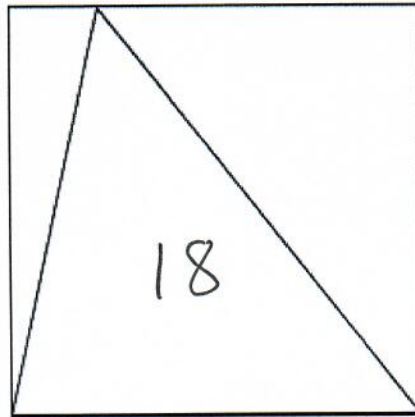
6 × 4 = (24)

The area of the triangle is 18cm².

What is the perimeter of the square?

A   6cm
B   36cm
C   24cm
D   9cm
E   18cm

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 shape drawn on the grid below.
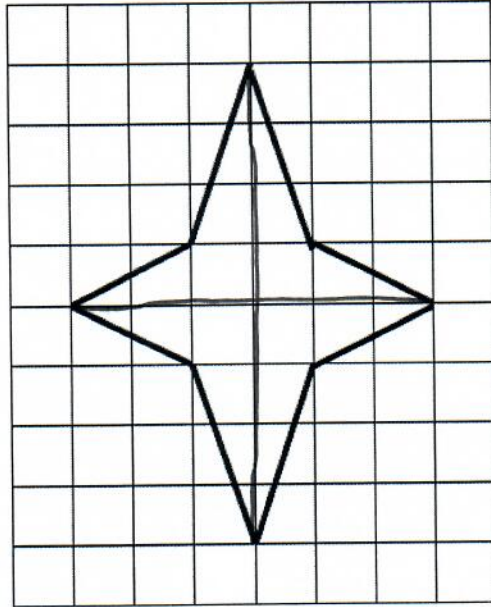
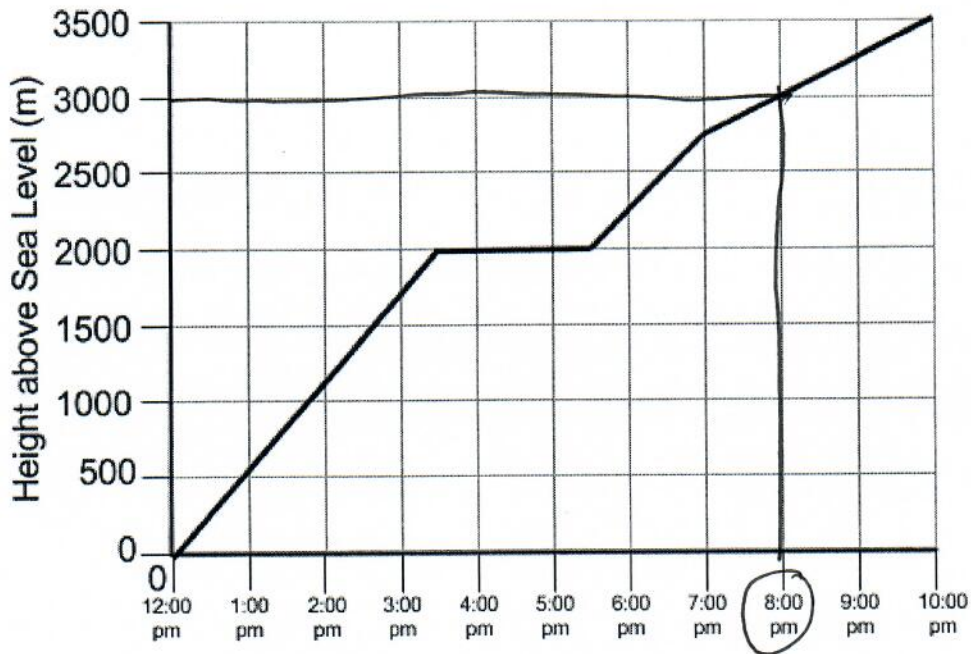How many lines of symmetry does this shape have?

2

52 What is the number four thousand and twenty eight and two fifths in figures?

4 028·4

$\frac{1}{5} = 0·2$

$\frac{2}{5} = 0·4$

Please go onto the next page >>>

53 An explorer climbs up to the top of a mountain. The graph below shows the explorer's height above sea level at certain times of the day.

What time, in 24 hour clock, did the explorer reach 3000 meters above sea level?
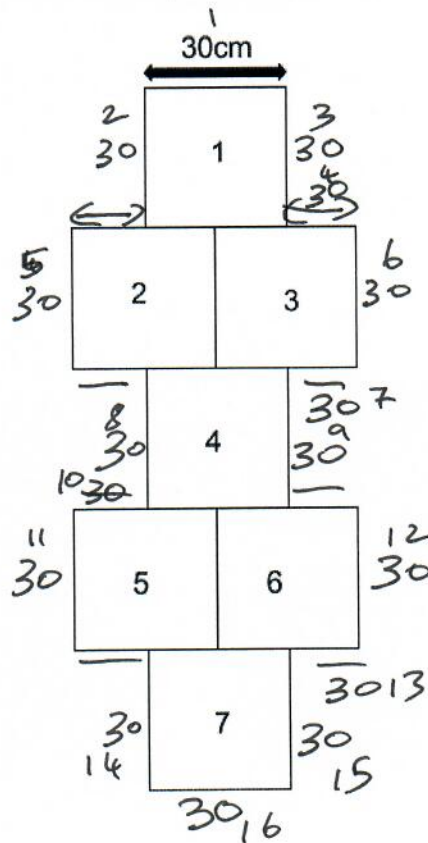
8:00pm = | 20:00 |

54 A number is a palindrome if it looks the same backwards as forwards. For example, the three numbers: 232, 16061 and 11311 are all palindromes.

What is the biggest palindrome which is less than 700?

699

| 696 |

55

Look at the diagram of a hopscotch grid below. It is made up of identical squares. The length of the side of each square is 30 cm.

30cm

2 30 | 1 | 3 30
4 30
5 30 | 2 | 3 | 6 30
8 30 | 4 | 30 7
10 30 | | 9 30
11 30 | 5 | 6 | 12 30
| | 30 13
30 14 | 7 | 30
| | 15
30 16

$$\begin{array}{r} {}^1 16 \\ \times 30 \\ \hline 480 \end{array}$$

What is the perimeter of the hopscotch grid?

480cm

56

There are street lights every 12 m along a straight road.

What is the distance between the first and sixth streetlight?

① 12m ② 12m ③ 12m ④ 12m ⑤ 12m ⑥

$$12 \times 5 = 60m$$