STIRLING TUITION

SEAG

Entrance Assessment

ST

STIRLING TUITION
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Practice Paper 2

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.**

apostrophe missing

P1 Why don't you take a break from your homework? You're working far too hard.

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 Here is the book

| the | an | a | this | that | I was telling you about.
| 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.**

government

P3 Everyone agrees that the goverment needs to spend more money on education.

A   B   C   D

Read this passage to yourself.

P4 The Mole had been working very hard all the morning, spring-cleaning his little home. First with brooms, then with dusters; then on ladders and steps and chairs, with a brush and a pail of whitewash; till he had dust in his throat and eyes, and splashes of whitewash all over his black fur, and an aching back and weary arms.

Spring was moving in the air above and in the earth below and around him, penetrating even his dark and lowly little house with its spirit of divine discontent and longing.

P5

It was small wonder, then, that he suddenly flung down his brush on the floor, said 'Bother!' and 'O blow!' and also 'Hang spring-cleaning!' and bolted out of the house without even waiting to put on his coat.

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 Mole's spring-cleaning in the passage?

A Mole can't be bothered to do any spring-cleaning at all.
B Mole uses a broom to paint the walls.
C Mole paints the walls yellow.
D Mole loves doing spring-cleaning.
E Mole brushes and dusts his home, then he paints it.

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 "unhappiness"?

discontent

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

Maths – Practice Test

P6   Barney jumps from a ledge which is 244 cm high onto a trampoline and reaches ¾ of the original height he jumped from.

How high does he bounce on his first bounce?

   A   61cm   B   185cm   ⓒ   183cm   D   305cm   E   212cm

$$\frac{\times 3}{\div 4} \text{ of } 244 = 183$$

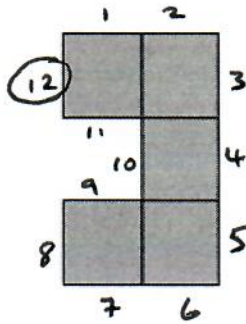$$4\overline{\smash{\big)}\,244} = 061$$

$$\begin{array}{r} 61 \\ \times 3 \\ \hline 183 \end{array}$$
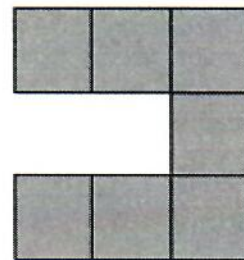
P7   Look at the patterns below. The length of one side of a square tile is 2cm.

Pattern 1   Pattern 2   Pattern 3

What is the perimeter of pattern 2?

$$12 \times 2 = 24$$

   Ⓐ   24cm   B   36cm   C   24m   D   12cm   E   12m

P8

$-12 \xrightarrow{+12} 0 \xrightarrow{+6} 6$ $12 + 6 = \boxed{18}$

On the same day the temperature in Alaska is -12°C and the temperature in Bangor is 6°C.

How much higher is the temperature in Bangor than in Alaska?

A 6°C   B 12°C   **C 18°C**   D -6°C   E -18°C

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

In a beginner's ski lesson the instructor counts all the ski poles at the end, to see how many are missing. He counts 17 pairs of ski poles and 12 individual ski poles.

How many ski poles does he count altogether?

$\boxed{46}$

$$\begin{array}{r} 17 \\ \times\ 2 \\ \hline 34 \\ +\ 12 \\ \hline 46 \end{array}$$

P10

£1.30

57p per hour

$1 \cdot 30 = 1$
$2 \cdot 60 = 2$
$3 \cdot 90 = 3$
$5 \cdot 20 = 4 \checkmark$
$6 \cdot 50 = 5$

$$\begin{array}{r} 57 \\ \times\ 5 \\ \hline £2 \cdot 85 \end{array}$$

$$\begin{array}{r} 9 \cdot 05 \\ -\ 2 \cdot 85 \\ \hline £6 \cdot 10 \end{array}$$

Sophie is having a party and her mum is driving her and her friends to town. Parking in town costs 57p per hour. A burger costs £1.30. Sophie's mum has £9.05 to spend on the parking and burgers for the girls. They park in town for five hours.

What is the largest number of burgers she can now buy?

$\boxed{4}$

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   "Home time!" called the teacher. "Has everyone remembered their coats." *Question*

    A   B   C   (D)

2   I will return that book to you tomorrow, I haven't finished reading it yet.   (N)

    A   B   C   D

3   "Have a good time at the beach!" Mum called. And don't forget to wear your hat!"   *Open speech marks*

    A   B   (C)   D

4   My teacher - whos very kind - allowed me to have some extra time to complete the test.   *Apostrophe*

    (A)   B   C   D

5   The weather tomorrow according to the forecast – will be sunny with light rain showers.   *Colon*

    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   Please return all your library books as

| sonnest | soon | sooner | shortly | quick | as possible.
| A | B | C | D | E |

7   When I got to school, I realised that I had forgotten

| a | the | our | mine | my | P.E. Kit.
| A | B | C | D | E |

8   You should take your time going

| around | over | in | on | at |
| A | B | C | D | E |

the museum, there is lots to see.

9

| Or | Despite | But | Unless | Because |
| A | B | C | D | E |

the fact that I hate maths, I did well in my test.

10   When you

| are finishing | finished | will finish | have finished | finishes |
| A | B | C | D | E |

your homework, you can go out to play.

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 want to open my Christmas presents today, but mum says I have to wait until tommorow.

tomorrow

A   B   C   D

12 Some people think that sushi tastes wierd, but I think it tastes delicious.

weird

A   B   C   D

13 I usualy wake up early, but today is the weekend, so I decided to have a lie-in.

usually

A   B   C   D

14 As we were feeling ill, I phoned the restaurant and asked them to cancel our reservation. (N)

A   B   C   D

15 After being assessed at the sene, the man was taken to hospital in an ambulance.

scene

A   B   C   D

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

1. A brown little face, with whiskers. Q16 Description

2. A grave round face, with the same twinkle in its eye that had first attracted his notice.

3. It was the Water Rat!

4. Then the two animals stood and regarded [looked at] each other cautiously. Q17

5. 'Hullo, Mole!' said the Water Rat.

6. 'Hullo, Rat!' said the Mole.

7. 'Would you like to come over?' enquired the Rat presently.

8. 'Oh, its all very well to talk,' said the Mole, rather pettishly, he being new to a river

9. and riverside life and its ways.

10. The Rat sculled smartly [rowed Q22] across and made fast. Then he held up his forepaw as the

11. Mole stepped gingerly down. [Q23] 'Lean on that!' he said. 'Now then, step lively!' and the

12. Mole to his surprise and rapture [Q24] found himself actually seated in the stern of a real

13. boat.

14. 'This has been a wonderful day!' said he, as the Rat shoved off and took to the sculls

15. again. 'Do you know, I've never been in a boat before in all my life.

16. 'What?' cried the Rat, open-mouthed: 'Never been in a—you never—well I—what

17. have you been doing, then?' Q18

18. 'Is it so nice as all that?' asked the Mole shyly, though he was quite prepared to

19. believe it as he leant back in his seat and surveyed the cushions, the oars, the

20. rowlocks,and all the fascinating fittings, and felt the boat sway lightly under him.

21. 'Nice? It's the only thing,' said the Water Rat solemnly, as he leant forward for his

22. stroke. 'Believe me, my young friend, there is nothing—absolute nothing— half so

23. much worth doing as simply messing about in boats [Q19] Simply messing,' he went on

24. dreamily: 'messing about—in—boats; messing——' Q25

25. 'Look ahead, Rat!' cried the Mole suddenly. It was too late. The boat struck the bank

26. full tilt. The dreamer, the <u>joyous</u> oarsman, lay on his back at the bottom of the boat,

Q26

27. his heels in the air.

, adjective

28. '—about in boats—or with boats,' the Rat went on composedly, picking himself up

Q27

29. with a <u>pleasant laugh</u>. 'In or out of 'em, it doesn't matter. Nothing seems really to

↑ noun

30. matter, that's the charm of it. Whether you get away, or whether you don't; whether

31. you arrive at your destination or whether you reach somewhere else, or whether you

32. never get anywhere at all, you're always busy, and you never do anything in particular;

33. and when you've done it there's always something else to do, and you can do it if you

34. like, but you'd much better not. Look here! If you've really nothing else on hand this

35. morning, supposing we drop down the river together, and have a long day of it?'

36. The Mole waggled his toes <u>from</u> sheer happiness, spread his chest with a sigh of full

37. contentment, and leaned <u>back</u> blissfully <u>into</u> the soft cushions. 'WHAT a day I'm

38. having!' he said. 'Let us start at once!'   Q28

39. 'Shove that <u>under</u> your feet,' he observed to the Mole, as he passed it down into the

40. boat. Then he untied the painter and took the sculls again.

41. 'What's inside it?' asked the Mole, wriggling with curiosity.

42. 'There's cold chicken inside it,' replied the Rat briefly;

43. 'coldtonguecoldhamcoldbeefpickledgherkinssaladfrenchrollscresssandwichespotte

44. meatgingerbeerlemonadesodawater——'

45. 'O stop, stop,' cried the Mole in ecstasies: 'This is too much!' 'Do you really think so?'

46. enquired the Rat seriously. 'It's only what I always take on these little excursions; and

47. the other animals are always telling me that <u>I'm a mean beast</u> and cut it VERY fine!'

Q20   Metaphor = He <u>Is</u> a mean beast, not like

48. The Mole never heard a word he was saying. <u>Absorbed in the new life he was entering</u>

49. <u>upon, intoxicated with the sparkle, the ripple, the scents and the sounds and the</u>   Q21

50. <u>sunlight</u>, he trailed a paw in the water and dreamed long waking dreams. The Water

51. Rat, like the good little fellow he was, sculled steadily on and forebore to disturb him.

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   **"Then the two animals stood and regarded each other cautiously."** (line 4)
What does this suggest about how the animals are feeling?

A   The animals to happy to see each other.

B   The animals don't know each other.

C   The animals are shocked to see each other.

D   The animals are unsure of each other.

E   The animals are good friends.

18   **Look at lines 16–17.**
Which statement below best describes how the Rat feels about

what Mole has said?

A   He is so angry that he can't talk properly.

B   He is so shocked that he can't talk properly.

C   He is having so much fun that he can't talk properly.

D   He feels sorry for Mole.

E   He thinks that Mole is stupid.

19   **Look at lines 21–27.**

Why does Rat not notice that he is going to crash into the river bank?

A   He is too busy talking about how lovely it is to be in a boat.

B   He couldn't see the river bank.

C   He was too busy looking at Mole.

D   He is not very good at steering boats.

E   He fell asleep.

20 '...the other animals are always telling me that I'm a mean beast' (line 47)

Which literary technique is being used in these lines?

A   personification
B   simile
C   metaphor
D   alliteration
E   onomatopoeia

21 **Read lines 48 – 51. Why does Mole not hear a word that Rat is saying?**

A   Moles have very bad hearing.
B   He is having a day dream about the river.
C   He doesn't understand what Rat is saying.
D   He is deliberately ignoring Rat.
E   He is fast asleep.

22 **"The rat sculled smartly across.."** (line 10)
Based on what you have read in lines 10 – 13, choose the best definition of the verb "sculled" below.

A   rowed
B   moved
C   sailed
D   swam
E   ran

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

23 **Look at line 10. What adverb in line 10 shows that Rat is skilled at sailing a boat?**

smartly

24 **Look at line 11. What adverb tells us that Mole gets into the boat carefully?**

gingerly

25   Look at lines 21 – 24. What, according to Rat, is the "only" thing worth doing?

Messing around in boats

26   Which word in line 26 means the same as cheerful?

joyous

27   Which part of speech is "laugh" as it appears in the passage? (line 29)

noun

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

from (line 36)   back (line 37)   into (line 37)   under (line 39)

prepositions

29

$\div 1000$ $\times 100$

Jen divides a number by 1000 and then multiplies the answer by 100.
Joe explains she could have used one calculation to replace the two calculations.

$\div 10\cancel{0}\cancel{0}$
$\times 1\cancel{0}\cancel{0}$

What one calculation could Jen have used to get the same answer?

A X 10   ⟨B ÷ 10⟩   C ÷ 100   D X 100   E ÷ 1000

30

John must sit 6 exams. He needs to get an average of 13 from the 6 tests.
Below are the scores he has achieved so far.

Test	Score
1	17
2	12
3	8
4	14
5	11
6	16

29
22
+11
62

$\cancel{\times}$ 78 $\cancel{\div}$ 6 = 13
—   ×

78
−62
16

13
× 6
78

Do the inverse × and − .

What does he need to score in test 6 to achieve an average of 13?

A 12   B 15   ⟨C 16⟩   D 10   E 13

31

Sam goes on a trip to Portrush. On the way he stops for breakfast and then for lunch. The line graph below outlines his trip.

Sam's Distance Travelled to Portrush
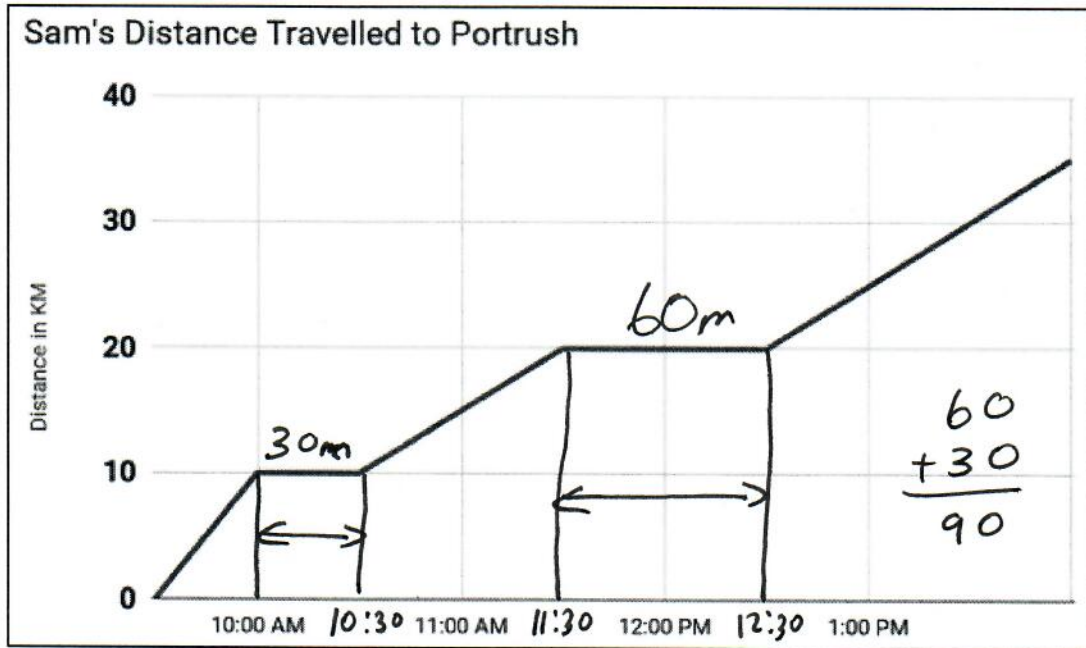
How long in minutes did he stop for breakfast and lunch in total?

A 120   B 60   C 15   D 150   (E 90)

32

A map has the following scale: 2 centimetres represents 5 kilometres.
Two towns are 7 centimetres apart on the map.

What is the actual distance between the towns?

(A 17.5km)   B 15km   C 35km   D 25km   E 45km

$$2 \overline{)7.0} \quad 3.5$$

$$\times 3.5 \left(\begin{array}{l} 2cm = 5km \\ 7\,cm = 17.5km \end{array} \right) \times 3.5$$

$$\begin{array}{r} 3.5 \\ \times 5 \\ \hline 17.5 \end{array}$$

33 Look at the shape below.

$A = 1 \times 9 = \boxed{9}$

$\frac{1}{2}$

$B = 9 \times 9 = \boxed{81}$

1 2cm $\boxed{9cm^2}$ A

9cm

11cm B $\boxed{81cm^2}$ 9cm

9cm

$\begin{array}{r} 81 \\ + 9 \\ \hline \boxed{90} \end{array}$
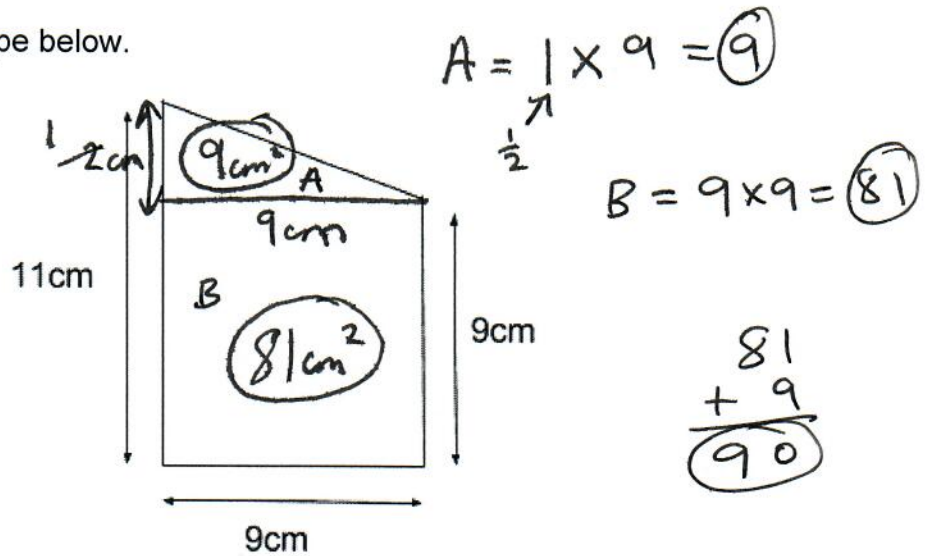
What is the area of this shape?

$\boxed{\text{A } 90cm^2}$ B $81cm^2$ C $859cm^2$ D $99cm^2$ E $891cm^2$

---

34 Derek needs 425 sweets to take to the party.
The shop only sells sweets in packs of 20.

$20 \overline{)4\,2^2 5}$ 0 2 1 r5   ↑ need an extra packet

How many complete packs will Derek need to buy to bring to the party?

A 43   B 21   C 25 $\boxed{\text{D } 22}$ E 44

---

35 a = 2   b = 7

$b^2 - a^3 = c$

$7^2 - 2^3 =$

7×7   2×2×2

$49 - 8 = \boxed{41}$

What is value of c?

A 43   B 8 $\boxed{\text{C } 41}$ D 57   E 36

Page 16   Please go onto the next page >>>

36

Mr Stirling is describing a square based pyramid and a triangular prism to his class.

5

6

✗
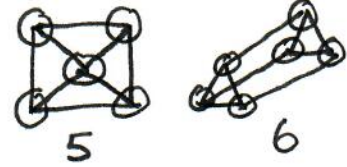
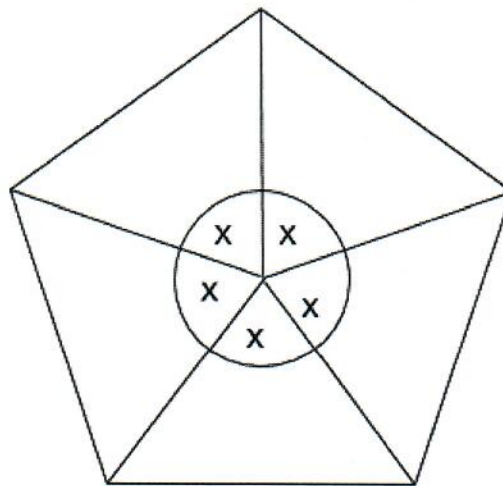What is the <u>product</u> of the vertices of the 3D shapes above?

$5 \times 6 = 30$

A 11   B 25   C 14   D 48   (E 30)

37

How many metres are there in 0.04 km?

$\times 1000$

$1 km = 1000 m$

$0.040 \times 1000 = 40$

A 4m   (B 40m)   C 0.4m   D 400m   E 40000m

38

Look at the shape below. It is a regular pentagon.

5

$\begin{array}{r} 072 \\ 5\overline{)36\,^10} \end{array}$

What is the size of angle x?

(A 72°)   B 120°   C 85°   D 75°   E 90°

---

39 Sophie is making patterns from sticks. The first three patterns are shown below.

Pattern 1   Pattern 2   Pattern 3

Pattern 1 uses 5 sticks.

Pattern 2 uses 9 sticks.

Pattern 3 uses 13 sticks.

How many sticks does Sophie need to make Pattern 11?
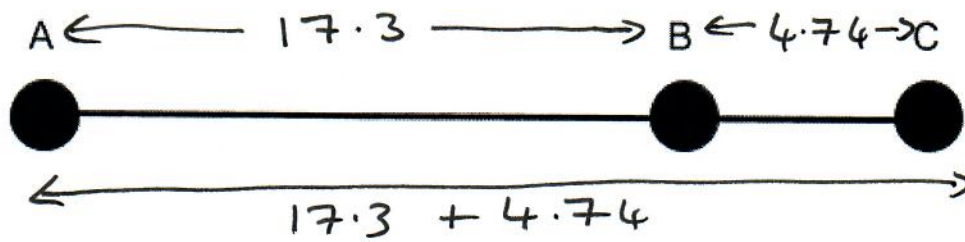
A 35

B 44

C 48

D 41

E 45

1	2	3	4	5	6	7	8	9	10	11
5	9	13	17	21	25	29	33	37	41	45

+4 +4 +4 +4 +4 +4 +4 +4 +4 +4

40

A long straight road connects towns A, B and C.

$$A \longleftarrow 17.3 \longrightarrow B \longleftarrow 4.74 \longrightarrow C$$

$$\longleftarrow 17.3 + 4.74 \longrightarrow$$

Town B is 17.3 miles from town A. Town C is 4.74 miles from town B.

What is the distance in miles between town A and town C?

$$\begin{array}{r} 17.30 \\ + 04.74 \\ \hline 22.04 \end{array}$$

A 12.56   B 3.01   C 19.84   **D 22.04**   E 6.47

41

Look at the square and the triangle below.

9

9   9

9

$9 \times 9 = 81$

40.5

$2\overline{)81.^10}$
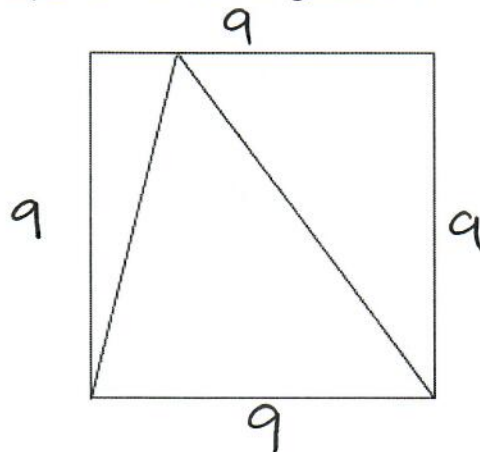
$\begin{array}{r} 9 \\ 4\overline{)36} \end{array}$

What is the area of the triangle if the perimeter of the square is 36cm?

A   18cm²

B   81cm²

C   18.5cm²

D   36cm²

E   40.5cm²

42

look at the quadrilateral below. Two angles are given, and two angles are missing.
One of the missing angles is twice the size of the other. _÷3_

$\begin{array}{r} 140 \\ -40 \\ \hline 100 \end{array}$

110° 2 = 140° 40° 70° 1

$70 \times 2 = 140$

$3\overline{)210}$

$\begin{array}{r} 110 \\ +40 \\ \hline 150 \end{array}$

$\begin{array}{r} 360 \\ -150 \\ \hline 210 \end{array}$

What is the difference between the biggest and smallest angles in the quadrilateral? 140

40

A 140°   B 70°   (C 100°)   D 105°   E 210°

43

A train leaves the station with (17 passengers on board.)

The train must stop 3 times on route to its final destination.
You can see below in the table the number of passengers
that get on and off at each stop.

Stop	Number of passengers getting off ⊖	Number of passengers getting on ⊕
1	6	9
2	12	15
3	2	6

$\boxed{-20}$ $\boxed{+30}$ = $\boxed{+10}$

How many passengers were on the train when it reached its final destination?

(A 27)   B 36   C 51   D 19   E 29

44

Jennifer's birthday is in exactly one month's time.
Today is the 20th May and it is a Sunday.

What day of the week will her birthday fall on this year?

A Sunday

B Monday

C Tuesday

D Wednesday

E Thursday

May = 31 days

$$7 \overline{\smash{)}31} = 4 \; r \, 3$$

'4 weeks plus 3 days'

45

There is a relay race to see how far teams of four can run in a given time period. The first runner runs for 45 minutes. The second runner runs for 15 minutes. The third runner runs for 45 minutes. The race started at 15:20 and finishes at 17:08.

$$\begin{aligned} 45 \\ 15 \\ + 45 \\ \hline 105 \text{ mins} \end{aligned}$$

1 hr 45 mins

How many minutes did the fourth runner run for?

A 15   B 12   C 9   D 3   E 17

$$\begin{aligned} 15{:}20 \\ + 1{:}45 \\ \hline 16{:}65 \\ -60 \\ \hline 17{:}05 \end{aligned}$$

+3

46

Clare has just had a new baby and she wants to paint its room. She goes to the shop and sees they only sell 1 litre tins of paint. The label says 1 litre of paint covers an area of 7m². Clare wants to paint 4 identical square walls which measures 3m by 3m.

What is the least number of tins she must buy?

$3 \times 3 = 9 \times 4 = \boxed{36}$

$7\overline{)36} \quad 5 \, r \, 1$

need an extra tub

A 36   B 12   C 10   D 8   (E 6)

47

How many numbers between 100 and 300 are multiples of both 9 and 10?

$9 \times 10 = \boxed{90}$

90 ✗
180 ✓
270 ✓
360 ✗

A 12   B 5   (C 2)   D 6   E 9

48

Four girls named Clare, Grace, Ruth and Jen are standing in order from shortest to tallest.

1) - Jen is taller than Ruth   R   J
2) - Clare is taller than Ruth   R C J
3) - Grace is taller than Jen   R C J G
4) - Jen is taller than Clare   R C J G

In what order are they standing?

A   Ruth, Jen, Clare, Grace

B   Ruth, Clare, Grace, Jen

C   Ruth, Grace, Jen, Clare

(D   Ruth, Clare, Jen, Grace)

E   Clare, Grace, Jen, Ruth

49 Look at the sequence of numbers below.
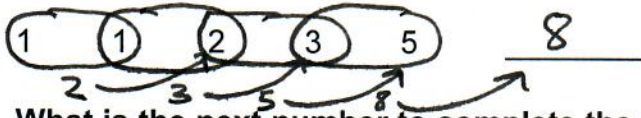
Add the two previous numbers to make the next number.

1 1 2 3 5 _8_

What is the next number to complete the sequence?
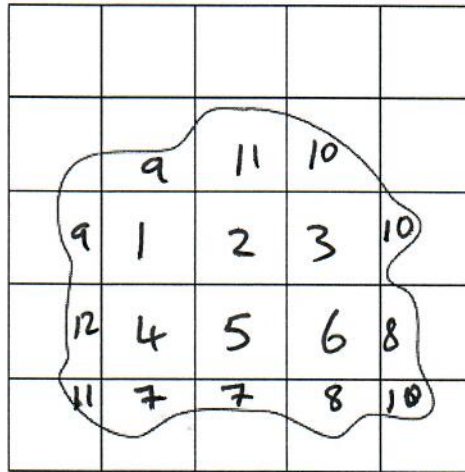
A 6   (B 8)   C 7   D 9   E 5

---

50 Look at the shape on the grid below. Each square on the grid has a side length of 1cm.

What is an appropriate estimate for the area of the shape in the grid?

A 6cm²

B 9m²

C 12cm²

D 15m²

E 18cm²

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 below. It is made up of a square and triangles. The area of the shaded part of the square is 3cm².
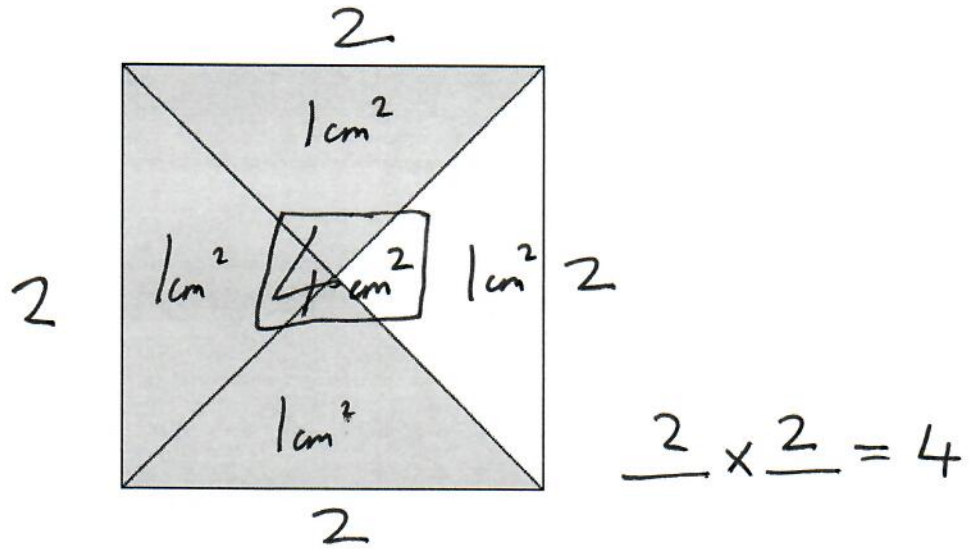
What is the perimeter of the square?

$8cm$

52

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

360
$\times\ 2$
720

$\times 1$
$\div 6$ of $360 = 60$

720
$+\ 60$
780

780

53

The shape below is a <u>rhombus</u>. = 2

Square = 4
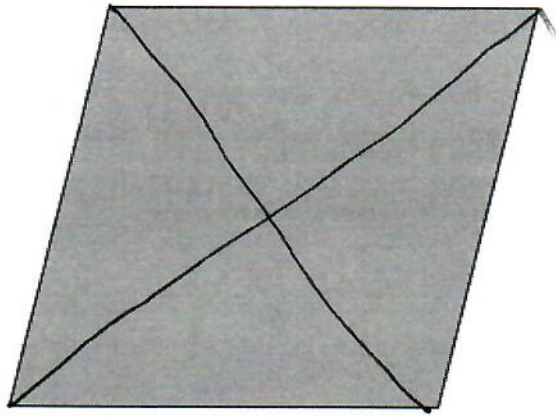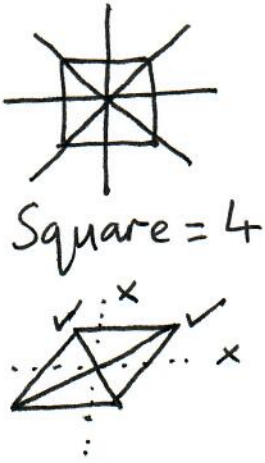
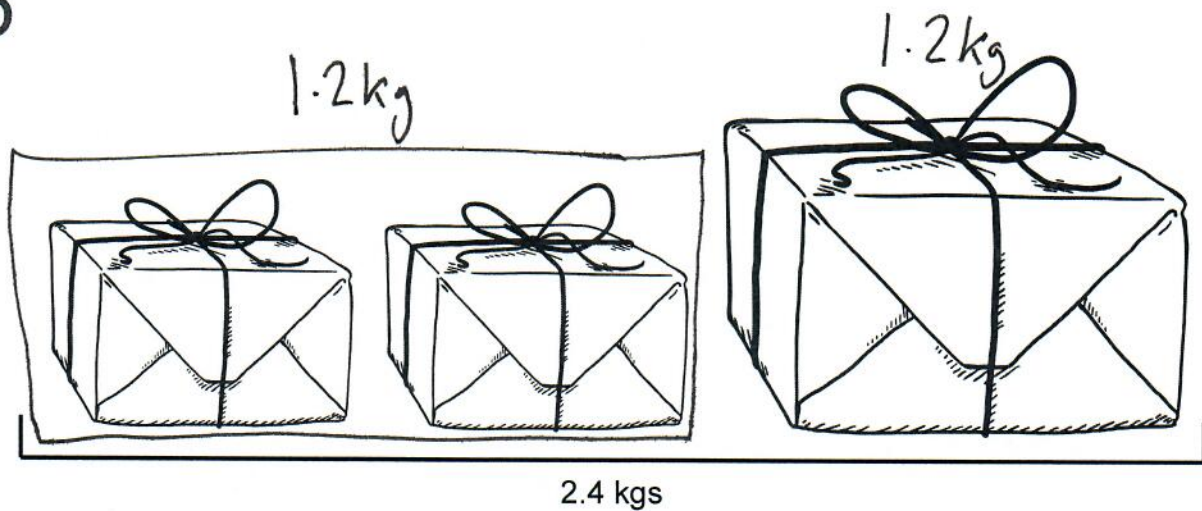**How many lines of symmetry does this shape have?**

2

54

Jen notices that 18 = 7 + 11 and that 7 and 11 are both prime numbers.

What are two other prime numbers which add to give 18

2   3   ⑤   ✗   ✗   ⑬   17

5 and 13

55

1.2kg

1.2kg

2.4 kgs

Geoff is delivering 3 parcels. Two of the parcels weigh half of the other parcel. The 3 parcels altogether weigh 2.4 kgs.

What is the weight of one of the smaller parcels in grams?

$1kg = 1000g$ $1.2 \times 1000 = 1200g$

$2 \overline{)1200}$ = 600

$\boxed{600g}$

56

Sam goes to the shop to buy a new pair of shoes for £59.

$\begin{array}{r} 100 \\ -30 \\ \hline 70\% \end{array}$

When he goes to pay the sales assistant tells him there is a 30% reduction in the price.

How much does Sam actually pay for the shoes?

70% of £59

$\times 7$

$\div 10$

$5.9 \div 10 = 5.9$

$\times 7$

$\overline{41.3}$

$\boxed{£41.30}$

END OF TEST