STIRLING TUITION
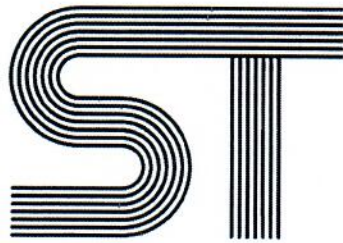
SEAG

Entrance Assessment

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Practice Paper 11

(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

Apostrophe missing

I know that this homework task is difficult but it doesnt mean that you should give up.

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

You should always | remind | reminder | remember | know | learn |
     A   B   C   D   E

your manners when you meet someone you don't know.

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

grinning

The coach was grining with delight when his team won the football tournament final.

A   B   C   D

Read this passage to yourself.

Extract from: The Wonderful Wizard of Oz by L. Frank Baum

He opened the big box, and Dorothy saw that it was filled with spectacles of every size and shape. All of them had green glasses in them. The Guardian of the Gates found a pair that would just fit Dorothy and put them over her eyes. There were two golden bands fastened to them that passed around the back of her head, where they were locked together by a (P4) little key that was at the end of a chain the Guardian of the Gates wore around his neck. When they were on, Dorothy could not take them off had she wished, but of course she did not wish to be blinded by the glare of the Emerald City, so she said nothing.
(P5)

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 spectacles?

A They are all the same size.
B They are all the same shape.
C They are green with silver bands.
D They are easy to put on and take off.
E They are fastened with a key.

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 "a very bright light"?

Glare

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

P6

$\begin{array}{r} ^{1}360 \\ \times\ 3 \\ \hline 1080 \end{array}$

$\begin{array}{r} 180 \\ 2\overline{)3^{1}60} \end{array}$

Sophie is a gymnast. She completes a somersault which is three and a half revolutions. $1 = 360°$

How many degrees is this in total?

$\begin{array}{r} ^{1} \\ 1080 \\ +\ \ 180 \\ \hline 1260 \end{array}$

A 1080°   B 360°   C 1260°   D 180°   E 3500°

P7

Chloe is building a miniature version of a Jumbo Jet. The scale she uses is below.

2cm = 10m

$\times 6 \left(\begin{array}{l} 2cm = 10m \\ 12cm = 60m \end{array} \right) \times 6$

The wingspan of the real Jumbo Jet is 60 metres.

What size does she have to make the wingspan on her miniature version?

A 12cm   B 6cm   C 20cm   D 120cm   E 300cm

P8 There are 40g of cereal in one portion.

$1kg = 1000g$

$$4\overline{)6000}\,\,150$$

How many portions are there in a 6kg bag of cereal?

$6 \times 1000 = 6000g$

A 40   B 6000   C 120   D 460   (E 150)

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 square below.
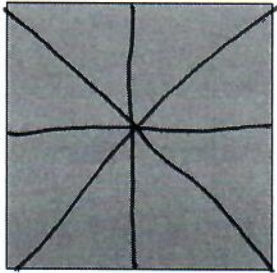
How many lines of symmetry does it have? $\boxed{4}$

P10 **What is 432 minutes in hours and minutes?**

$$-\frac{420}{12}$$

$60 = 1$
$120 = 2$
$180 = 3$
$240 = 4$
$300 = 5$
$360 = 6$
$\boxed{420 = 7}$
$480 = 8$

$\boxed{7\ hours\ \ 12mins}$

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   The restaurant has employed a new chef who specialises in delicious Italian food.

   A   B   C   (D)

Capital letter

2   The house on the corner – which is over one hundred years old was sold last week.

   A   B   C   (D)

Close dash

3   I enjoyed the latest Disney movie but it was very long, wasn't it.

   A   B   C   (D)

Question

4   The hotel will be closed during the months of November, December, January and February.

   A   B   C   D

N

5   "Hey! Finn!" he shouted across the classroom. "Are you coming to training after school?"

   A   B   (C)   D

Capital letter

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 My teacher was not amused when I did a funny impression

| over | by | on | at | of | him.
A   B   C   D   E

7 He tripped over his shoe laces and fell

| flat | fast | front | slow | up | on his face.
A   B   C   D   E

8 | Despite | However | Although | As | When |
A   B   C   D   E

she is young, she has learned several foreign languages.

9 He has been living here for years but I have never

| talk | speak | spoke | talks | spoken | to him.
A   B   C   D   E

10 The children in Year Six will be selling | whose | which | that | their | what |
A   B   C   D   E

handmade Christmas cards next week.

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 genius

Tom isn't a jenius, but he pays attention in class and completes his homework on time.

A   B   C   D

12 obviously

She loves basketball so oviously she will be trying out for the school team on Wednesday.

A   B   C   D

13 delicious

My aunt makes the most delicous double chocolate fudge cake in the whole world!

A   B   C   D

14 She is the perfect employee because she works hard and she is polite to the customers.

A   B   C   D

N

15 brilliant

He needed to come up with a brillant plan to get himself out of trouble with the principal.

A   B   C   D

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

Extract from: The Wonderful Wizard of Oz by L. Frank Baum

1. Now the charm began to work. The sky was darkened, and a low rumbling sound was

2. heard in the air. There was a rushing of many wings, a great chattering and laughing, and

3. the sun came out of the dark sky to show the Wicked Witch surrounded by a crowd of

4. monkeys, each with a pair of immense and powerful wings on his shoulders.

5. One, much bigger than the others, seemed to be their leader. He flew close to the Witch

6. and said, "You have called us for the third and last time. What do you command?"

7. "Go to the strangers who are within my land and destroy them all except the Lion," said

8. the Wicked Witch. "Bring that beast to me, for I have a mind to harness him like a horse,

9. and make him work."

10. "Your commands shall be obeyed," said the leader. Then, with a great deal of chattering

11. and noise, the Winged Monkeys flew away to the place where Dorothy and her friends

12. were walking.

13. Some of the Monkeys seized the Tin Woodman and carried him through the air until they

14. were over a country thickly covered with sharp rocks. Here they dropped the poor

15. Woodman, who fell a great distance to the rocks, where he lay so battered and dented that

16. he could neither move nor groan.

17. Others of the Monkeys caught the Scarecrow, and with their long fingers pulled all of the

18. straw out of his clothes and head. They made his hat and boots and clothes into a small

19. bundle and threw it into the top branches of a tall tree.

20. The remaining Monkeys threw pieces of stout rope around the Lion and wound many

21. coils about his body and head and legs, until he was unable to bite or scratch or struggle

22. in any way. Then they lifted him up and flew away with him to the Witch's castle, where

23. he was placed in a small yard with a high iron fence around it, so that he could not

24. escape.

25. But Dorothy they did not harm at all. She stood, with Toto in her arms, watching the sad

26. fate of her comrades and thinking it would soon be her turn. The leader of the Winged

27. Monkeys flew up to her, his long, hairy arms stretched out and his ugly face grinning

28. terribly; but he saw the mark of the Good Witch's kiss upon her forehead and stopped

29. short, motioning the others not to touch her.

30. "We dare not harm this little girl," he said to them, "for she is protected by the Power of

31. Good, and that is greater than the Power of Evil. All we can do is to carry her to the castle

32. of the Wicked Witch and leave her there."

33. So, carefully and gently, they lifted Dorothy in their arms and carried her swiftly through

34. the air until they came to the castle, where they set her down upon the front doorstep.

35. Then the leader said to the Witch:

36. "We have obeyed you as far as we were able. The Tin Woodman and the Scarecrow are

37. destroyed, and the Lion is tied up in your yard. The little girl we dare not harm, nor the

38. dog she carries in her arms. Your power over our band is now ended, and you will never

39. see us again."

40. Then all the Winged Monkeys, with much laughing and chattering and noise, flew into

41. the air and were soon out of sight.

42. The Wicked Witch was both surprised and worried when she saw the mark on Dorothy's

43. forehead, for she knew well that neither the Winged Monkeys nor she, herself, dare hurt

44. the girl in any way. She looked down at Dorothy's feet, and seeing the Silver Shoes,

45. began to tremble with fear, for she knew what a powerful charm belonged to them. At

46. first the Witch was tempted to run away from Dorothy; but she happened to look into the

47. child's eyes and saw how simple the soul behind them was, and that the little girl did not

48. know of the wonderful power the Silver Shoes gave her. So the Wicked Witch laughed to

49. herself, and thought, "I can still make her my slave, for she does not know how to use her

50. power."

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 the story start with?

A direct speech
(B) narration
C description
D flashback
E question

17

"...a low <u>rumbling</u> sound was heard in the air." (lines 1-2)
Which literary technique is being used in these lines?

A simile
B metaphor
(C) onomatopoeia
D alliteration
E personification

18

Read lines 13 – 16. Why did the monkeys choose to destroy the Tin Woodman in this way?

A Because the Tin Woodman was too heavy to carry any longer.
B Because the Tin Woodman was scared of heights.
C Because the Tin Woodman is scared of rocks.
D Because the rocks are far away from the Wicked Witch's castle.
(E) Because he is made of metal and rocks will break metal.

19

Look at lines 20 – 24. Why do the monkeys tie the Lion up?

A So that they can pull him along like a dog.
B So that they can ride on his back like a horse.
C So that he won't fall when they carry him.
(D) So that he can't attack them.
E So that he can't see.

20

"We dare not harm this little girl.." (line 30) Why do the monkeys not harm Dorothy?

(A) Because she is protected by the Good Witch's kiss.
B Because they are scared of her.
C Because they are scared of Toto.
D Because she is stronger than them.
E Because they feel sorry for her.

21

Look at lines 42 – 45. What does this suggest about the Witch?

A She is scared of Dorothy.
(B) She is scared of the charm of the Silver Shoes.
C She has never seen a human girl before.
D She wants the Silver Shoes.
E She is scared of the Silver Shoes

22

Look at lines 45 – 50. What does this suggest about Dorothy?

A She is stupid.
B She is poor.
C She is frightened.
(D) She is innocent.
E She is angry.

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

23

Which of Dorothy's friends does the Wicked Witch command the monkeys not to destroy?

Lion

24

Who or what is Toto?

Dog

25   Which word in line 4 means the same as "huge"?

Immense

26   Which word in line 31 is opposite in meaning to "good"?

Evil

27   Which part of speech is "kiss" as it appears in the passage? (line 28)

Noun

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

within (line 7)   through (line 13)   into (line 19)   upon (line 28)

Prepositions

29

$6^3 - 3^2 =$ _____

$6 \times 6 \times 6 - 3 \times 3 =$

What is the answer to the calculation above?

6×6
36
$\times 6$
$\boxed{216}$

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

A 3　　　　(B 207)　　　　C 12　　　　D 210　　　　E 9

$\begin{array}{r} 2\overset{0}{\cancel{1}}6 \\ -\quad 9 \\ \hline 207 \end{array}$

30

Look at the pattern below. It is made up of square tiles.
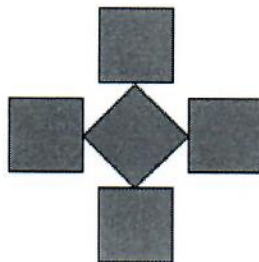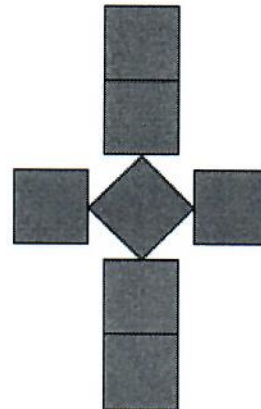
Pattern 1　　　　Pattern 2　　　　Pattern 3

How many patterns have a prime number of tiles from pattern 1-10?

1 2 3 4 5 6 7 8 9 10
③ ⑤ ⑦ ✗ ⑪ ⑬ ✗ ⑰ ⑲ ✗
+2 +2 +2
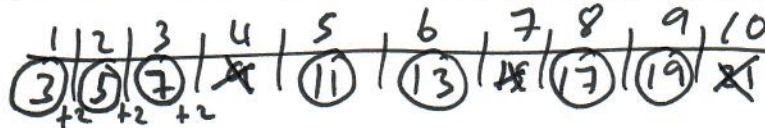
(A 7)　　　　B 5　　　　C 6　　　　D 8　　　　E 9

31   Look at the shape below.

2cm   3cm

4cm

6cm

4×2

8cm²

2cm

7cm

$6 \times 7 = \cancel{42}^{3}$
$- \quad 8$
$\overline{\quad 34}$
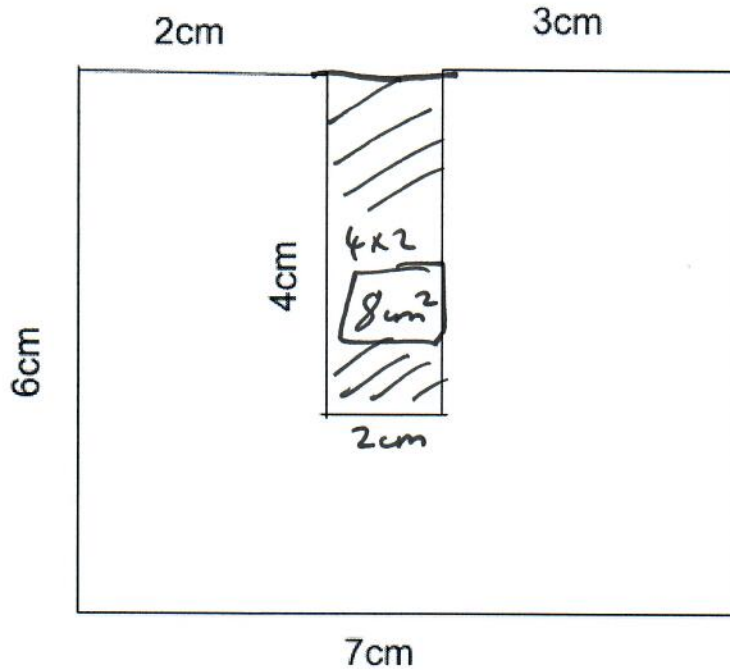
What is the area of the shape?

A 42cm²   B 22cm²   C 38cm²   **D 34cm²**   E 26cm²

32   In Clare's school of 756, $\frac{1}{4}$ of the school have blonde hair and $\frac{1}{3}$ of the school have black hair. The rest have brown hair.

How many pupils have brown hair?

A 534   B 441   C 252   D 189   **E 315**

(189) = Blonde hair
4⟌7³5³6

(252) = Black hair
3⟌7'5 6

252
+1 8 9
441

756
− 4 4 1
315 = Brown

33

Look at the table below with the temperature in different cities around the world at dawn on the same day.

City	Temperature
Belfast	-6°C
Sydney	23°C
Paris	15°C
New York	-7°C

(handwritten: number line +7, +23 from -7, 0, 23; 23 + 17 = 30)

(handwritten: -7   23)
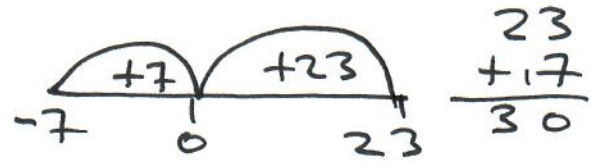
What is the difference between the coldest and the warmest temperatures?

A 22°C   B 29°C   C 30°C   D 8°C   E 21°C

34

In a zoo there are 12 zebras, 46 flamingos and 62 fish. I head

(handwritten: I head 4 feet → 5, I head 2 feet → 3, I head → 1)
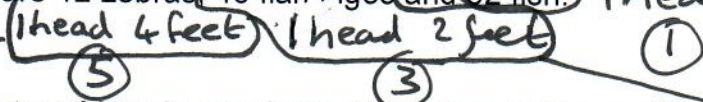
How many feet and heads are there altogether in the zoo?

(handwritten: 12 × 5 = 60)

A 120   B 246   C 260   D 294   E 194

(handwritten: 46 × 3 = 138)

(handwritten: 138 + 60 + 62 = 260)

35

A train leaves London at 12:26. It arrives in Manchester at 15:07. It then takes another 2 hours and 47 minutes to get from Manchester to Newcastle.

(handwritten: 15:07 − 12:26 = 02:41; +2:47; 4:88 → 60; 5:28)

How long did the journey take in total from London to Newcastle?

A 4hr 18m   B 5hr 28m   C 2hr 41m   D 5hr 36m   E 2hr 47m

36

Phil is holding a miniature cube. It has a side length of 0.5cm.

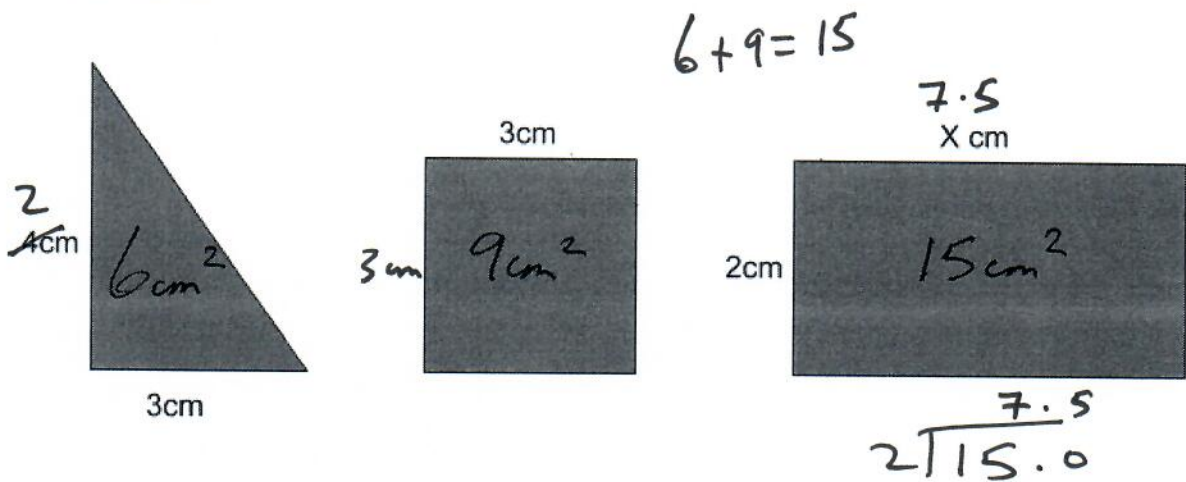**What is the volume of the cube?** $0.5 \times 0.5 \times 0.5 = 0.125$

A 125cm³   B 12.5cm³   C 1.25cm³   D 0.125cm³   E 0.0125cm³

37

Look at the triangle, square and the rectangle below.

The area of the triangle and the square in total is the same as the area of the rectangle.

$6 + 9 = 15$

7.5

3cm   X cm

2
4cm   6cm²   3cm   9cm²   2cm   15cm²

3cm

7.5
2)15.0

What is the value of X on the rectangle?

A 6cm   B 10.5cm   C 15cm   D 9cm   E 7.5cm

38

180   360

What is the total of all the angles in a scalene triangle, a rhombus, a right-angled triangle and straight line?

180   180

180
360
180
+180
———
900

A 900°   B 360°   C 180°   D 720°   E 1080°

---

39 Look at the pattern below. It is made up of isosceles trapezium tiles.

Pattern 1   Pattern 2   Pattern 3   Pattern 4   Pattern 5
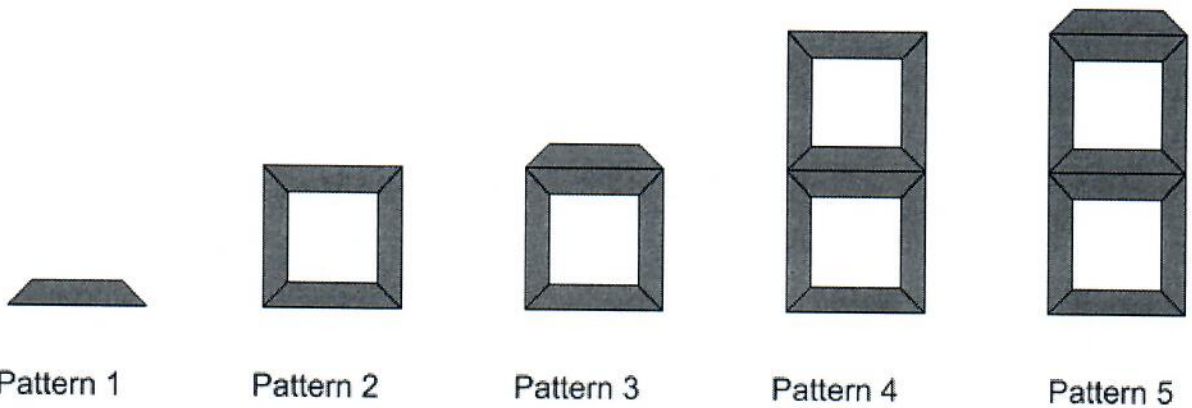
You will notice in pattern 2 and 3 there is one white square in the middle of the trapezium tiles and in pattern 4 and 5 there are two white squares in the middle of the trapezium tiles.

How many white squares will be created in pattern 8?

A 2
B 3
C 4
D 5
E 6

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8
0 | 1 | 1 | 2 | 2 | 3 | 3 | 4

40
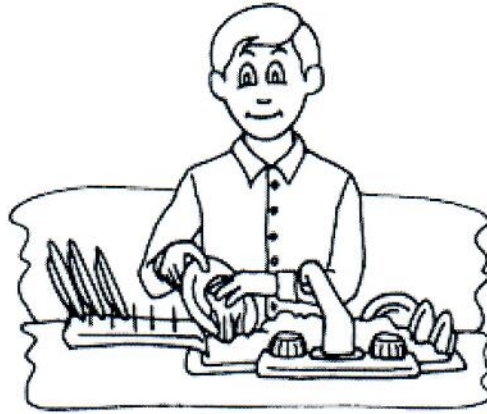
$$\begin{array}{r} 3\\ \cancel{15}\\ 27\\ +9\\ 24\\ 31\\ 23\\ +22\\ \hline 161 \end{array}$$

Sam is working for the next seven weekends washing dishes at the local café. He is saving for a new keyboard to practice his music on. Below is the amount he makes each weekend working at the café.

£15   £27   £19   £24   £31   £23   £22

$$7\overline{)16^2 1} = 023$$

What is the mean (average) he earns over the seven-week period?

A £22   B £16   C £24   D £25   **(E £23)**

41

Grace is tiling a large rectangular wall in her house. The wall measures 4m by 2m. The tiles measure 20cm by 10cm.

How many tiles does she need to cover the whole wall?

A 4   B 40   **(C 400)**   D 4000   E 40000

$$20\overline{)80000} = 400$$

$$10 \times 20 = 200\,cm^2$$

$$400 \times 200 = 80000$$

42

Look at the isosceles triangle below.

X°

57°   57°

57
× 2
——
1 1 4

⁷⁶
1 8̸ 0̸
− 1 1 4
————
0 6 6
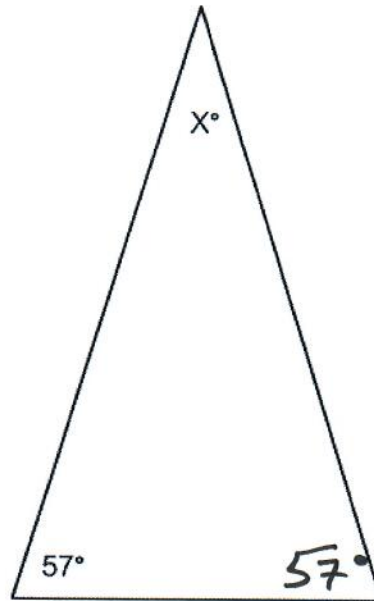
What is the size of angle X?

A 180°   B 246°   C 57°   D 123°   (E 66°)

43

Michael has decided to cook a curry. He goes on the BBC website and gets a recipe. Below are the ingredients he needs to buy from the shop, along with their cost.

- Chicken £2.27
- Curry Paste £2.18
- Coconut Milk £2.05
- Rice £1.89

He pays with a £10 note.

2.2̸7̸
2.1̸8̸
2.0̸5̸
+ 1.8̸9
————
£8.39

How much change does he get?

⁹ ⁹
1̸0̸.0̸0̸
− 0 8.3 9
————
£0 1.6 1

A £3.50   (B £1.61)   C £2.27   D £0.87   E £8.39

44 Look at the diagram below, it has two identical squares.

y

20

A

10 (10,10)

(0,0) ⟵ ⟶ 10 x
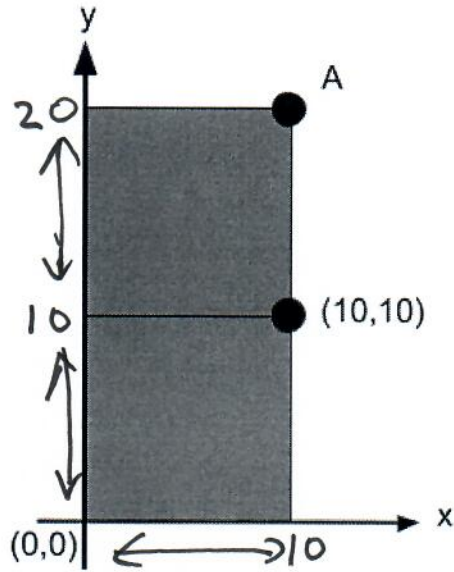
What is the coordinate of point A?

A (20,20)

B (0,10)

C (10,20)

D (20,10)

E (20,0)

45

214
× 21
214
4280
4494

16+5 = 21m
(Perimeter)

8m
2.5m ▭ 2.5m
8m
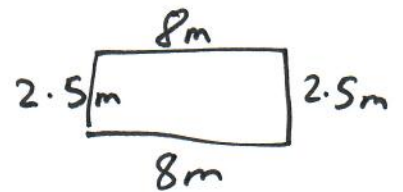
Geoff's dog needs a walk. Over the past few days he has run round the edge of back garden 214 times! The dimensions of the rectangular garden are 8m by 2.5m.

1km = 1000m

How far has the dog run in total over the past few days in kilometres?

A 2.14km   B 3.82km   C 4.28km   D 2.1km   E 4.494km

4·494 ÷ 1000 = 4·494

46 Barney completes his Friday spelling test. He scores 18 out of 40. The teacher asks the class to work out their score as a percentage.

What is Barney's percentage score?

$$\frac{18}{40} \overset{\div 2}{\underset{\div 2}{=}} \frac{9}{20} \overset{\times 5}{\underset{\times 5}{=}} \frac{45}{100} = 45\%.$$

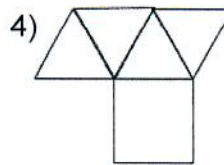(A 45%)   B 50%   C 18%   D 40%   E 36%
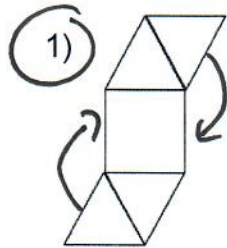
---

47 Look at the equation below.

79 - F = 12.3

What is the value of F?

$$\begin{array}{r} 7\overset{8}{9}.\overset{1}{0} \\ -\ 1\ 2.3 \\ \hline 6\ 6.7 \end{array}$$

A 78.2   B 58.9   (C 66.7)   D 91.3   E 37.1

48

1)   2)   3)   4)
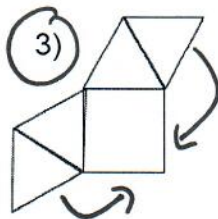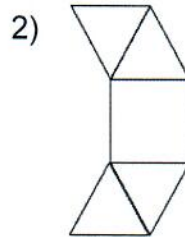
Which two nets above fold to make a square based pyramid?

A 2,3   B 1,4   C 3,4   (D 1,3)   E 1,2

---

49 **What is the 5th multiple of 17?**

A 175   B 85   C 25   D 95   E 117

$$\begin{array}{r} {}^3 17 \\ \times\ 5 \\ \hline 85 \end{array}$$

---

50 Look at the calculation below.

456 x 23 = 10488

Which calculation below will give the same answer as the calculation above?

1) 4560 x 230   × (×10 ×10)

2) 45.6 x 230   ✓ (÷10 ×10)

3) 4560 x 23   × (×10 0)

4) 4560 x 0.23   × (×10 ÷100)

5) 45600 x 2.3   × (×100 ÷10)

A 1
B 2
C 3
D 4
E 5

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

Iris is standing at the front of the class during a maths lesson. Her teacher asks her to describe a 3D shape that she has hidden from view from the rest of the class. Below is her description.

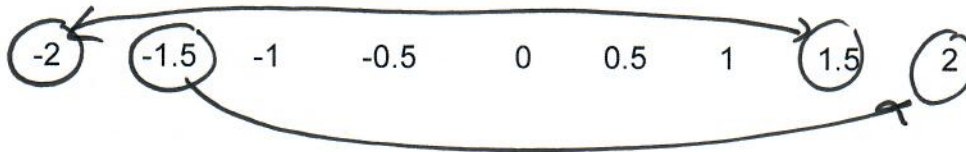- It has 4 vertices.
- It has 6 edges.
- It has 4 faces.

What 3D shape is Iris describing?

Triangular based pyramid   or   Tetrahedron

52

Look at the numbers below.

-2   -1.5   -1   -0.5   0   0.5   1   1.5   2

Which two numbers have a difference of 3.5?

−2 and 1.5   or   −1.5 and 2

53

Look at the Venn Diagram below.

$4 \times 3 = \boxed{12}$

132
144

Multiple of 4
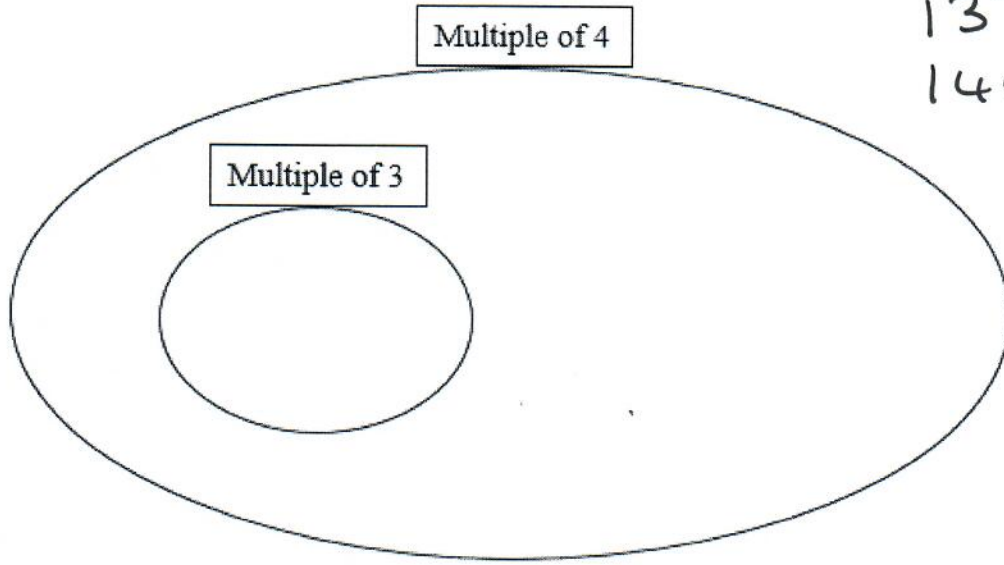
Multiple of 3

What number would go in the multiple of 3 section of the Venn diagram that is between 120 and 150?
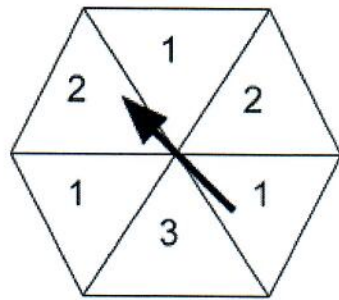
$\boxed{132}$ or $\boxed{144}$

54

Sam is adding together the digits of prime numbers. He notices that when he adds together the digits of the prime number 13 he gets a total of 4 (1+3=4).

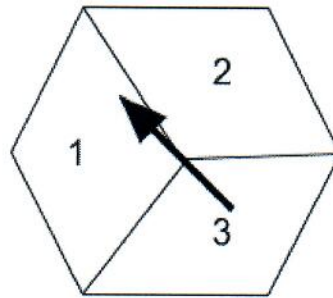What other prime number has digits that add together to make 4? $\boxed{31}$

2 3 5 7   2 4 8 10 5

11 4
29 31

55

Look at the two spinners below (A and B). They are both regular hexagons.

A

B

1) Scoring '1' is less likely on A than on B. $\frac{3}{6}$ or $\frac{1}{2}$ $\frac{1}{3}$ False

2) Scoring '2' is equally likely on A than on B. $\frac{2}{6} = \frac{1}{3}$ $\frac{1}{3}$ ✓ True

3) Scoring '3' is more likely on A than on B. $\frac{1}{6}$ $\frac{1}{3}$

Which statement above is true (1, 2 or 3)?

2

56

How many days and hours are 300 hours?

$$\begin{array}{r} 2\,9\,1 \\ -\ 2\,8\,8 \\ \hline 0\,1\,2 \end{array}$$

$24 \times 10 = 240$
$24 \times 11 = 264$
$24 \times 12 = 288$
$24 \times 13 = 312$

12 days 12hrs

END OF TEST