

STIRLING TUITION
SEAG
Entrance Assessment



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Practice Paper 14

(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 He has lied to me so many times in the past so how can ever believe him in the future?
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 I know you are upset about your exam result but you need to get
under over on in around it.
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 The branches of the old tree provided homes and shelter to different species of birds.
A B C D

Read this passage to yourself.

Extract from Anne of Green Gables by LM Montgomery

P4

P5

Matthew dreaded all women except Marilla and Mrs. Rachel; he had an uncomfortable feeling that the mysterious creatures were secretly laughing at him. He may have been quite right in thinking so, for he was an odd-looking personage, with an ungainly figure and long iron-gray hair that touched his stooping shoulders, and a full, soft brown beard which he had worn ever since he was twenty. In fact, he had looked at twenty very much as he looked at sixty, lacking a little of the grayness.

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 Matthew?

- A He has long, soft brown hair.
- B He has a gray beard.
- C He is scared of most women.
- D He is funny.
- E He is twenty years old.

For this question, you have to write your answer in the box provided on your answer sheet (box P5).

P5

Which **word** from the passage means the same as "uneasy"?

uncomfortable



Maths – Practice Test

P6

Over seven days, Max counted the number of hours he spent watching TV. Max made a list of the numbers of hours he watched TV each day.

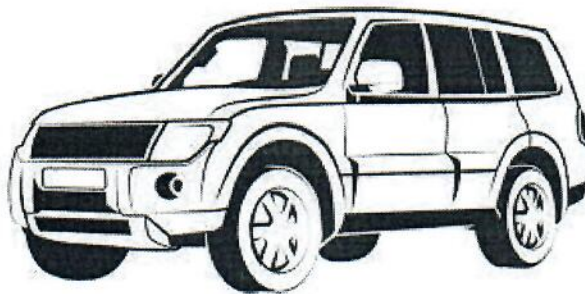
Look at the list below.

13 10 9 11 4 7 9 $13 - 4 = 9$

What is the range of hours?

- A 9 B 10 C 7 D 11 E 8

P7



$$\begin{array}{r} 7.1 \\ \times 1.5 \\ \hline 355 \\ 710 \\ \hline 10.65 \end{array}$$

A family goes on a long journey. Their car uses 7.1 litres of petrol each hour.

If the family travels for 1.5 hours, how many litres of petrol does the car use?

- A 7.1L B 8.6L C 10.65L D 1.5L E 1065L

P8

What is twenty two and four fifths written as a decimal answer?

$$\textcircled{22} \quad \frac{4}{5} = \frac{8}{10} = \textcircled{0.8}$$

A 228

B 22.4

C 224

D 22.8

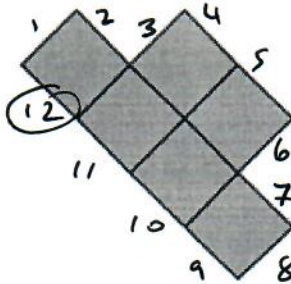
E 220.4

$$22 + 0.8 = 22.8$$

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

A pupil is making patterns using square tiles. The length of one side of each square tile below is 2 cm.



$$12 \times 2 = 24 \text{ cm}$$

What is the perimeter of the pattern above?

24 cm

P10

(A) $0.1 \div 100 = \underline{0.001}$

(B) $46.8 \times 100 = \underline{4680}$

What are the answers to calculations above?

$$0.001 \quad \leftarrow \quad \div \quad \underline{100} = 0.001 \quad 46.80 \times \underline{100} =$$



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 You need to start revising immediately if you want to do well in your school exams.
A B C D

No apostrophe
need.

2 Its not easy to become a professional footballer. You need to practise for hours every day.
A B C D

It is = Its

3 "Good morning Mrs Smith," the postman said cheerily. "I have two parcels for you today."
A B C D N

4 The African bush elephant, the largest land mammal in the world, is an endangered species.
A B C D

comma needed

5 She is usually a very kind and polite girl. I don't understand why she was so rude in class.
A B C D

No comma before and.

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

If you have nothing nice to say then it is better to say nothing at

ever never all me once
A B C D E

7

Ellie let the dogs into the house and fed

it those us him them
A B C D E

8

It took a long time to whisk the eggs

by from with on in hand.
A B C D E

9

Is that story really true and or but yet for

A B C D E

are you making it up?

10

She bought some flowers giving gave gives to give will give

A B C D E

to her mother.

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 would rather be busy with lots of things to do than be board with nothing to do.
A B C D

12 She enjoys many water sports like swimming, diving, water-skiing and sailing.
A B C D

13 Could you help me set the table please? The knives and forks are in the top drawer.
A B C D

14 I think that someone has already opened the parcel because the seal is broken.
A B C D

15 Today we learned that a square has four corners and a cube has eight corners.
A B C D

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

Extract from Anne of Green Gables by LM Montgomery

1. "If you've finished your lessons, Anne, I want you to run over and ask Mrs. Barry if
2. she'll lend me Diana's apron pattern."
3. "Oh—it's—it's too dark," cried Anne
4. "Too dark? Why, it's only twilight. And goodness knows you've gone over often enough
5. after dark."
6. "I'll go over early in the morning," said Anne eagerly. "I'll get up at sunrise and go over,
7. Marilla."
8. "What has got into your head now, Anne Shirley? I want that pattern to cut out your new
9. apron this evening. Go at once and be smart too."
10. "I'll have to go around by the road, then," said Anne, taking up her hat reluctantly.
11. "Go by the road and waste half an hour! I'd like to catch you!"
12. "I can't go through the Haunted Wood, Marilla," cried Anne desperately.
13. Marilla stared.
14. "The Haunted Wood! Are you crazy? What under the canopy is the Haunted Wood?"
15. "The spruce wood over the brook," said Anne in a whisper.
16. "Fiddlesticks! There is no such thing as a haunted wood anywhere. Who has been telling
17. you such stuff?"
18. "Nobody," confessed Anne. "Diana and I just imagined the wood was haunted. All the
19. places around here are so—so—commonplace. We just got this up for our own
20. amusement. We began it in April. A haunted wood is so very romantic, Marilla. We
21. chose the spruce grove because it's so gloomy. Oh, we have imagined the most
22. harrowing things. There's a white lady walks along the brook just about this time of the
23. night and wrings her hands and utters wailing cries. She appears when there is to be a
24. death in the family. And the ghost of a little murdered child haunts the corner up by
25. Idlewild; it creeps up behind you and lays its cold fingers on your hand—so. Oh, Marilla,
26. it gives me a shudder to think of it. And there's a headless man stalks up and down the
27. path and skeletons glower at you between the boughs. Oh, Marilla, I wouldn't go through
28. the Haunted Wood after dark now for anything. I'd be sure that white things would reach
29. out from behind the trees and grab me."

30. "Did ever anyone hear the like!" ejaculated Marilla, who had listened in dumb
31. amazement. "Anne Shirley, do you mean to tell me you believe all that wicked ⁽²⁶⁾ nonsense
32. of your own imagination?"

33. "Not believe exactly," faltered Anne. "At least, I don't believe it in daylight. But after
34. dark, Marilla, it's different. That is when ghosts walk."

35. "There are no such things as ghosts, Anne."

36. "Oh, but there are, Marilla," cried Anne eagerly. "I know people who have seen them.

37. And they are respectable people. Charlie Sloane says that his grandmother saw his
38. grandfather driving home the cows one night after he'd been buried for a year. You know

39. Charlie Sloane's grandmother wouldn't tell a story for anything. She's a very religious
40. woman. And Mrs. Thomas's father was pursued home one night by a lamb of fire with its
41. head cut off hanging by a strip of skin. He said he knew it was the spirit of his brother

42. and that it was a warning ⁽²⁷⁾ he would die within nine days. He didn't, but he died two years
43. after, so you see it was really true. And Ruby Gillis says—"

44. "Anne Shirley," interrupted Marilla firmly, "I never want to hear you talking in this
45. fashion again. I've had my doubts about that imagination of yours right along, and if this
46. is going to be the outcome of it, I won't countenance any such doings. You'll go right

47. over to Barry's, and you'll go through that spruce grove, just for a lesson and a warning ⁽²²⁾
48. to you. And never let me hear a word out of your head about haunted woods again."

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 description
- B narration
- C direct speech
- D flashback
- E question

17

When is the story set?

- A early in the morning
- B midnight
- C sunrise
- D twilight
- E midday

18

“I can’t go through the Haunted Wood, Marilla,” cried Anne desperately.”
(line 12) **What does this suggest about how Anne is feeling?**

- A She is sad.
- B She is impatient.
- C She is angry.
- D She is excited.
- E She is scared.

19

Look at lines 14 – 17. What is the meaning of the word “Fiddlesticks!” as it appears in the text?

- A What nonsense!
- B Be quiet!
- C Listen to me!
- D Look at me!
- E Go away!

20

Look at lines 18 -22. What does this suggest about Anne?

- A She is a liar.
- B She is imaginative.
- C She is stupid.
- D She is dreaming.
- E She is bored.

21

Look at lines 36 – 40. Why does Anne believe that there are “such things as ghosts”?

- A She has seen a ghost.
- B Her grandmother saw a ghost.
- C Her friend saw a ghost.
- D Her friend’s grandmother saw a ghost.
- E She is religious.

22

Look at lines 44 – 48. What does this suggest about Marilla?

- A She is cruel.
- B She wants to teach Anne a lesson.
- C She hates Anne.
- D She is rude.
- E She is selfish.

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

23

What does Marilla want to borrow from Mrs. Barry?

Diana's apron pattern

24

According to Anne, what kind of ghost haunts the corner by Idlewild?

Ghost of little murdered child

25

Which word in line 6 is opposite in meaning to "late"?

Early

26

Which word in line 31 means the same as "evil"?

Wicked

27

Which part of speech is "warning" as it appears in the passage? (line 42)

Noun

28

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

over (line 1) after (line 5) into (line 8) around (line 10)

Prepositions

Maths – Main Test

29

It costs £9.20 per metre of ribbon.

How much would it cost for 45cm of ribbon?

$$\begin{aligned} \div 10 \left(\begin{array}{l} \pounds 9.20 = 100 \text{ cm} \\ \times 92 \text{ p} = 10 \text{ cm} \\ \div 2 \left(\begin{array}{l} 46 \text{ p} = 5 \text{ cm} \\ \times 9 \left(\pounds 4.14 = 45 \text{ cm} \end{array} \right. \end{array} \right. \end{array} \right. \end{aligned}$$

A £4.40

B £4.14

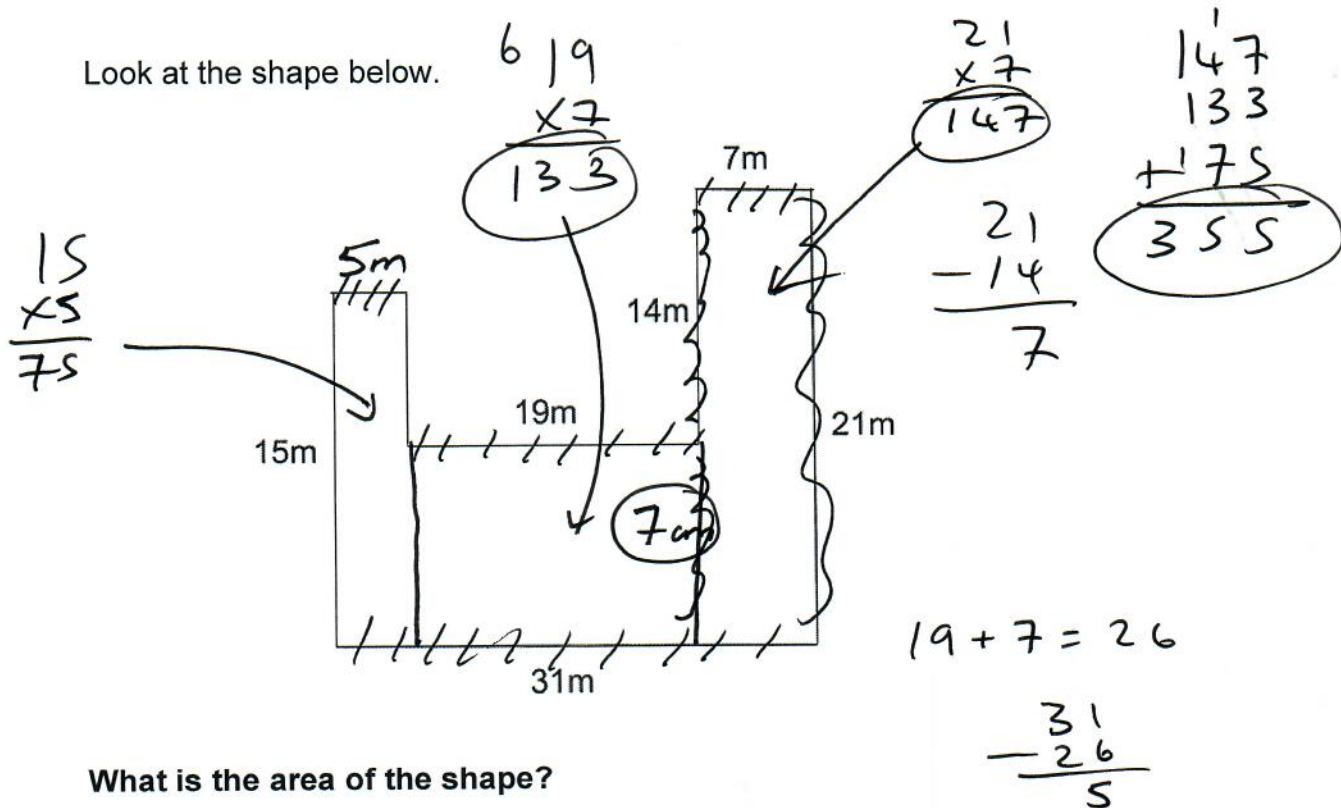
C £4.44

D £4.24

E 4.04

30

Look at the shape below.



What is the area of the shape?

A 355m²

B 531m²

C 651m²

D 274m²

E 465m²

31

Look at the numbers below.

A: 73563.2
uk

B: 4783.22
uth

C: 151.203
uth

D: 357.632
uth

E: 625.147
uth

In which number does the 7 stand for 7 hundredths?

A A

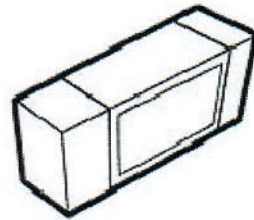
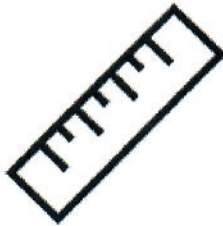
B B

C C

D D

E E

32



A school pays for:

60 pencils at 80 pence each

$$60 \times 80 = \pounds 48.00$$

50 rulers at 50 pence each

$$50 \times 50 = \pounds 25.00$$

and 70 rubbers at 90 pence each.

$$70 \times 90 = \pounds 63.00$$

$$\begin{array}{r} + \\ 48 \\ 25 \\ + 63 \\ \hline 136 \end{array}$$

What is the total amount the school has to pay for the pencils, rulers and rubbers?

A £88

B £168

C £112

D £42

E £136

33

What is 9:47 pm as a 24-hour clock time?

$$\begin{array}{r} + 12 \\ \hline 21:47 \end{array}$$

A 9:47am

B 09:47

C 21:47

D 00:47

E 9:47pm

34

8000m

A train travels 8 kilometres. A second train travels 97 metres further.

How far does the second train travel?

$$\begin{array}{r} 8000 \\ + 97 \\ \hline 8097m \end{array}$$

A 897m

B 8.079km

C 8.97km

D 8.097m

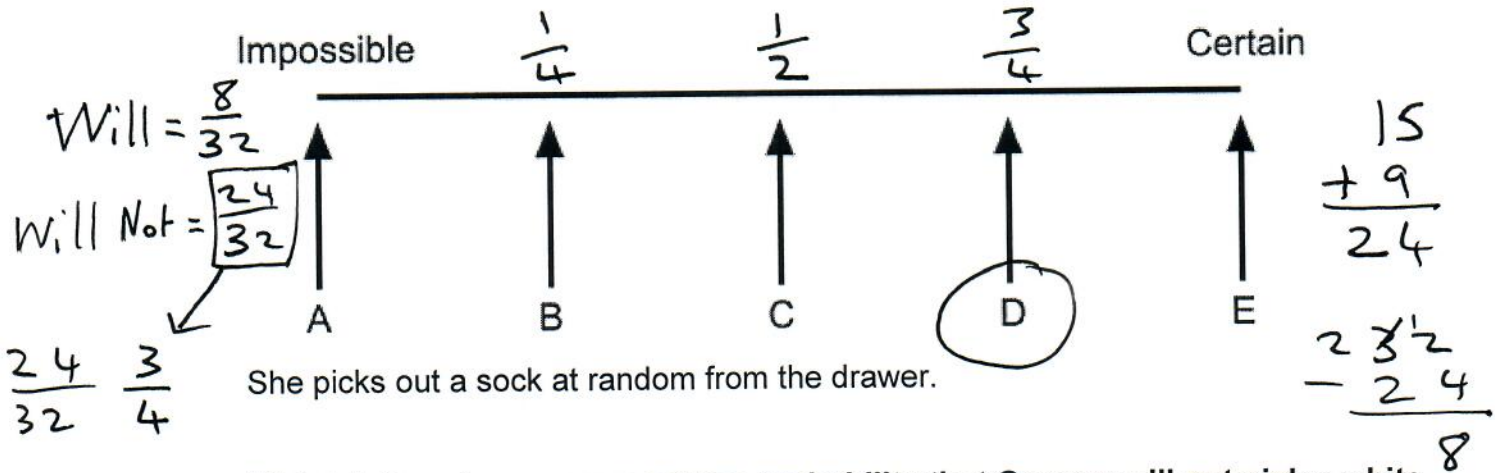
E 8097m

35

Gemma has 32 socks in a drawer. 9 socks are black, 15 socks are red and the rest are white. She picks out a sock at random from the drawer.

⑧

Look at the probability line below. The letters A, B, C, D and E show equally spaced positions on the probability line.



She picks out a sock at random from the drawer.

Which letter above represent the probability that Gemma will not pick a white sock from the drawer?

A A

B B

C C

D D

E E

36

Look at the two numbers below.

860 707
0.860 0.707

$$0.707 \div 10 = 0.0707$$

What is the smaller of the two numbers divided by 10?

A 0.086

B 0.0707

C 8.6

D 7.07

E 0.0086

37

Look at the four rules below.

Rule A Subtract 2 from the previous number ~~X~~

Rule B Calculate the next cubed number ~~X~~

Rule C Multiply the previous number by 6 and then subtract 5 ~~X~~

Rule D Divide the previous number by 2 and then add 6

Rule E Subtract the previous number then multiply by 4 ~~X~~

Number Sequence = 8 10 11 11.5 ...

Which Rule matches the number sequence above?

A A

B B

C C

D D

E E

38

How many grams are there in 0.06 kilograms?

$$0.060 \times 1000 = 60$$

A 60g

B 6000g

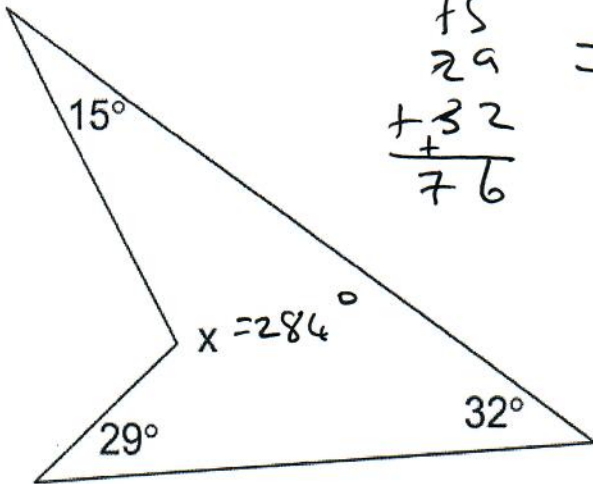
C 6g

D 600g

E 0.6g

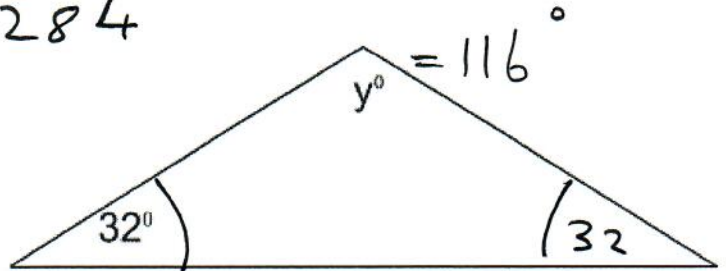
39

Look at the isosceles triangle and quadrilateral below.



$$\begin{array}{r} 15 \\ 29 \\ + 32 \\ \hline 76 \end{array}$$

$$\begin{array}{r} 15 \\ 238 \\ - 76 \\ \hline 284 \end{array}$$



$$\begin{array}{r} 32 \\ + 32 \\ \hline 64 \end{array} \quad \begin{array}{r} 78 \\ - 64 \\ \hline 116 \end{array}$$

By how many degrees is angle x greater than angle y?

A 284°

B 76°

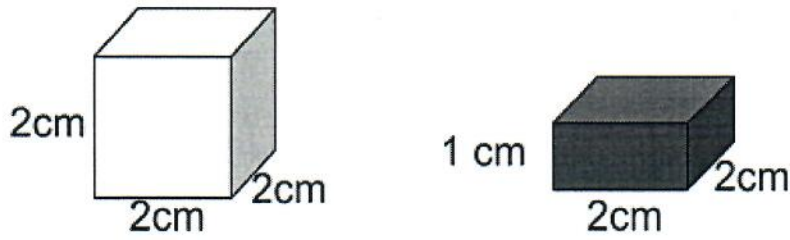
C 168°

D 300°

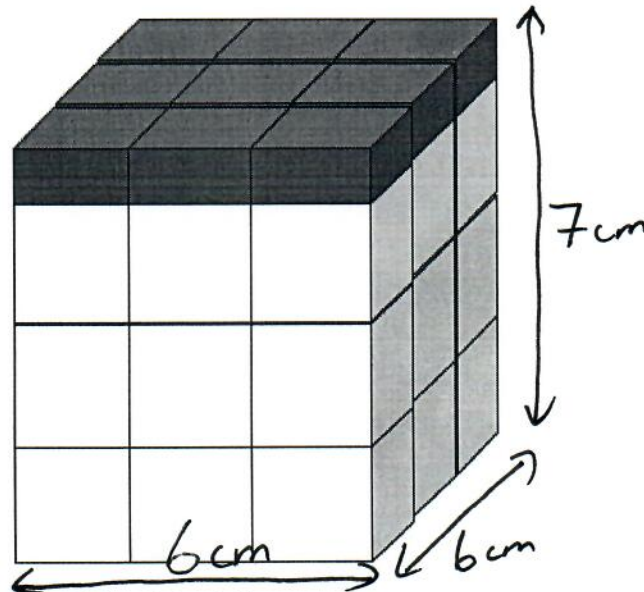
E 116°

$$\begin{array}{r} 7 \\ 284 \\ - 116 \\ \hline 168 \end{array}$$

A child is playing with white bricks and grey bricks. Look at the white brick and grey brick below. The white brick is a cube and the grey brick is a cuboid.



The child uses the bricks above to build the block below. The block has three layers of white bricks and a layer of grey bricks on top.



$$6 \times 6 = 36$$

$$\begin{array}{r} 36 \\ \times 7 \\ \hline 252 \end{array}$$

What is the volume of the block?

- A 274cm³ **B 252cm³** C 31.5cm³ D 152cm³ E 27cm³

Max goes to the shop to buy a new computer game for £39. When he goes to pay the sales assistant tells him there is a 15% reduction in the price.

How much does Max actually pay for the computer game?

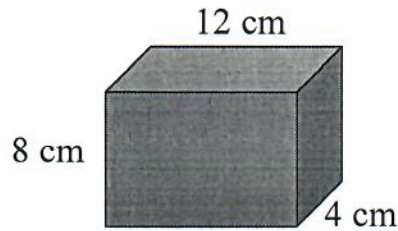
- A £33.15** B £5.85 C £36.39 D £35.10 E £13.15

$$\frac{\times 85}{\div 100} \text{ of } 0.39$$

$$\begin{array}{r} 0.39 \\ \times 85 \\ \hline 195 \\ 3120 \\ \hline \pounds 33.15 \end{array}$$

42

Look at the cuboid below. Its dimensions are 12cm by 8cm by 4cm.



$$\begin{array}{r} 8 \times 4 = 32 \\ \hline 12 \times 4 = 48 \\ 4 \times 4 = 16 \\ \hline 96 \end{array}$$

Look at the dimensions of the cuboid above.

What is the total length of all the edges of the cuboid?

- A 384cm B 48cm C 24cm **D 96cm** E 128cm

43

A builder must fill bags with sand from a container. The container holds $3\frac{2}{5}$ kg of sand. Each bag holds $\frac{1}{4}$ kg of sand.

How many full bags of sand can the builder get from the container?

- A 11 B 8 C 12 D 7 **E 13**

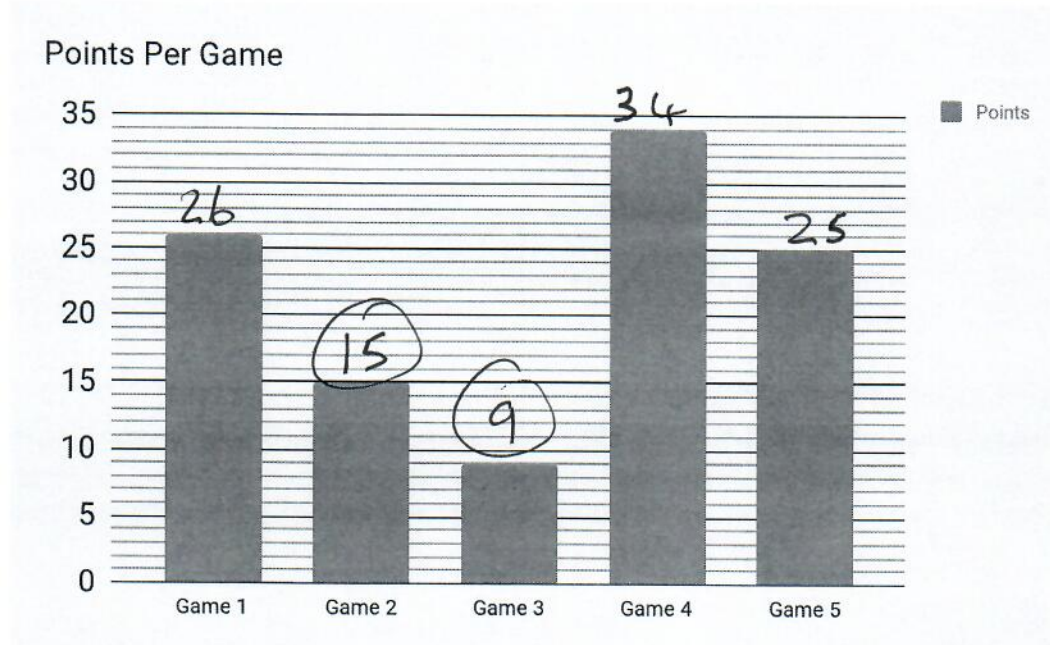
$$\frac{2}{5} = \frac{4}{10} = 0.4$$

$$\frac{1}{4} = 0.25$$

$$1 + \frac{4}{10} = 1.4$$

$$1.4 \div 0.25 = 13$$

Patrick is playing for his local rugby team in a tournament. Over the day they play five games against different opposition. He decided to record the number of points his team scores in the five matches and enters the results into a bar chart. Use the bar chart to answer the questions below.



Over which two consecutive games was there a 40% decrease in the number of points?

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

Handwritten calculations:

$$\frac{4}{10} \text{ of } 26 = \frac{2 \times 2.6}{10.4} \quad \times$$

$$\frac{4}{10} \text{ of } 15 = \frac{1.5 \times 4}{6.0} = \frac{15}{9}$$

Handwritten calculations:

$$9 \times 100 \div 100 = 9$$

$$8.6 \times 93 \div 100 = \underline{\hspace{2cm}}$$

What is the answer to the calculation above?

- A 0.07998
- B 0.7998
- C 7.998**
- D 79.98
- E 799.8

46

$57 \times 96p = \text{£}57 - \underline{228} p$

$$\begin{array}{r} 100 \\ - 96 \\ \hline 4p \end{array}$$

What number needs to be inserted into the blank space in the equation above?

- A 228 B 96 C 57 D 192 E 5472

$$\begin{array}{r} 57 \\ \times 4p \\ \hline 228 \end{array}$$

47

A child leaves school at 3:15pm and cycles at a steady speed to her house. The child lives 5.6 kilometres from the school. The child arrives at home at 3:55pm.

5600m

How many metres does the child cycle in one minute?

- A 5600 B 120 C 140 D 60 E 40

$$\begin{array}{r} 3:55 \\ - 3:15 \\ \hline 0:40 \text{ mins} \end{array}$$

$$4 \overline{) 5600} \begin{array}{l} 140 \\ \end{array}$$

48

A student spent $\frac{7}{10}$ of 60 = 42mins doing their English homework. Then they spent $\frac{4}{5}$ of 60 = 48mins doing their maths homework. Finally, they spend three quarters of an hour doing their science homework.

$\frac{3}{4} = 45 \text{ mins}$

How many hours and minutes did they spend altogether doing their homework?

- A 42mins B 2hr 15mins C 1hr 30mins D 1hr 55mins E 1hr 33mins

$$\begin{array}{r} 42 \\ 48 \\ + 45 \\ \hline 135 \\ - 120 \\ \hline 15 \end{array} \quad \begin{array}{l} 60 = 1 \text{ hr} \\ 120 = 2 \text{ hr} \end{array}$$

$= 2 \text{ hrs } 15 \text{ mins}$

49

A: 4.34

B: 4.51

C: 4.59

D: 4.47

E: 4.37

Handwritten: $4.4 \leftrightarrow 4.5$ with arrows pointing towards each other and a downward arrow pointing to the space between them.

Which of the decimal numbers above is bigger than $4\frac{2}{5}$ and smaller than $4\frac{1}{2}$?

Handwritten: $\frac{2}{5} = \frac{4}{10} = 0.4$

A A

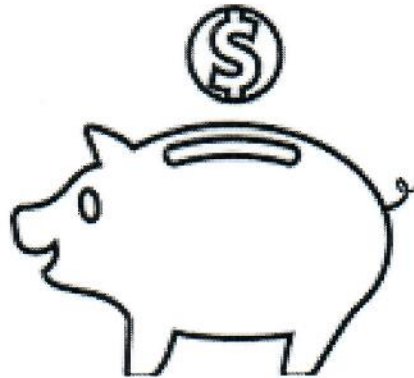
B B

C C

D D

E E

50



I have saved 34 coins in my money box. My money box contains at least 4 of each of the following coins:

Handwritten: 4 4 4 4 4 14
1p 5p 10p 50p £1 £2

What is the greatest amount of money I could have in my money box?

A £68.00

B £46.84

C £22.34

D £34.64

E £14.64

Handwritten:
$$\begin{array}{r} 34 \\ -20 \\ \hline 14 \end{array}$$

Handwritten:
$$\begin{array}{r} 14 \\ \times 2 \\ \hline 28 \end{array}$$

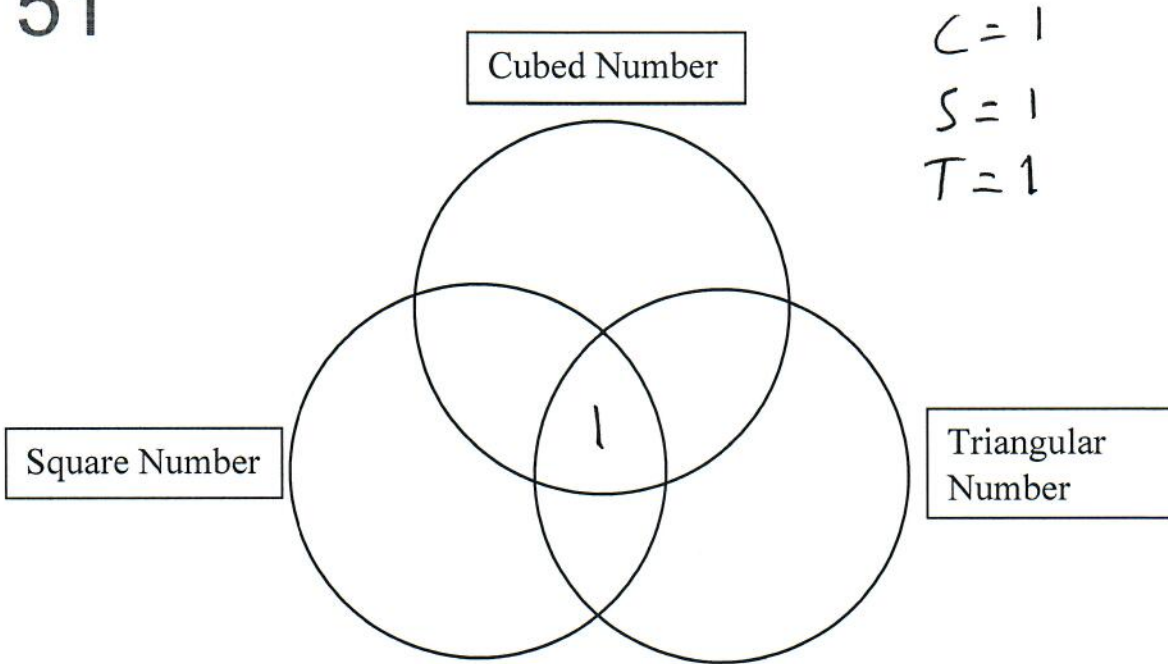
Handwritten calculations:
 $4 \times 1 = 4p$
 $4 \times 5 = 20p$
 $4 \times 10 = 40p$
 $4 \times 50 = \pounds 2.00$
 $4 \times \pounds 1 = \pounds 4.00$
 $14 \times \pounds 2 = \pounds 28.00$

Handwritten sum:

$$\begin{array}{r} 28.00 \\ 4.00 \\ 2.00 \\ 40 \\ 20 \\ + 4 \\ \hline 34.64 \end{array}$$

For questions 51–56, you have to **write your answers** in the boxes provided on your answer sheet. The units of measurement have been given.

51

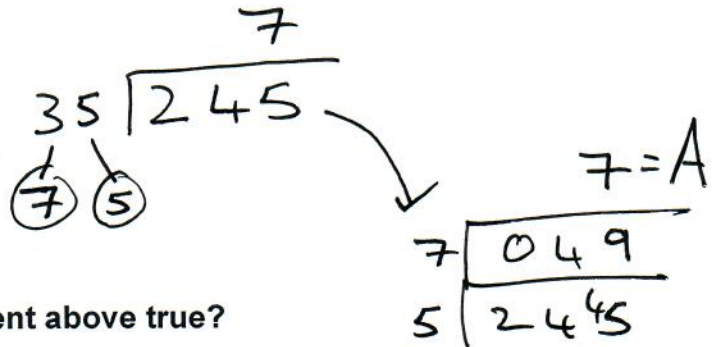


What number between 0 and 30 will go in the middle section of the Venn diagram where the 3 circles intersect?

1

52

If $245 \times A = 35$
 then $60 \times A = \underline{420}$

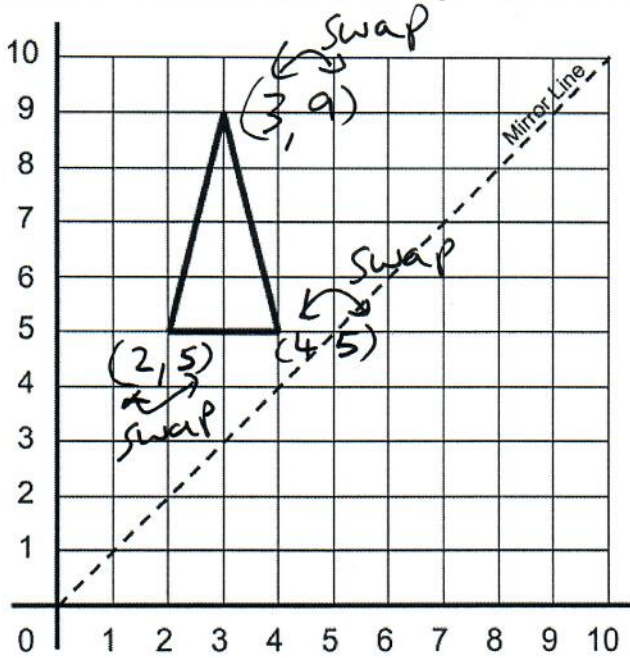


What number makes the statement above true?

$60 \times 7 = \boxed{420}$

53

In the figure below there is a triangle and a mirror line.



(9, 3)
(5, 2)
(5, 4)

The triangle is reflected in the mirror line and a new triangle is formed.

What are the coordinates of the three vertices of the new triangle?

(9, 3) (5, 2) (5, 4)

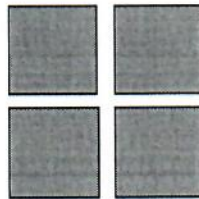
54

Patterns are formed from square tiles. The first three patterns in a sequence are shown below.



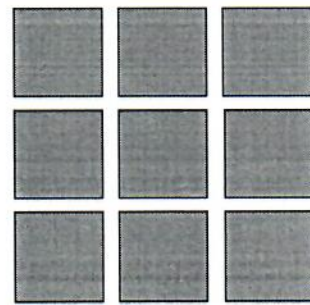
Pattern 1

$2 \times 2 = 4$



Pattern 2

$3 \times 3 = 9$



Pattern 3

How many more tiles are needed for the ninth pattern than the fifth pattern?

$9 \times 9 = 81$

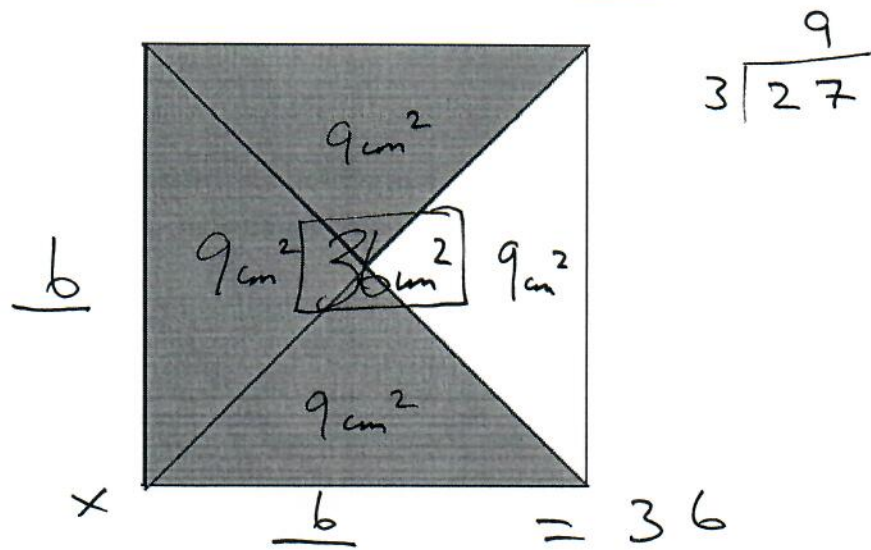
$5 \times 5 = 25$

$$\begin{array}{r} 781 \\ - 25 \\ \hline 56 \end{array}$$

56

55

Look at the diagram below. A large square is made up of 4 triangles. All the triangles are the same size. The area of the three triangles is 27cm².

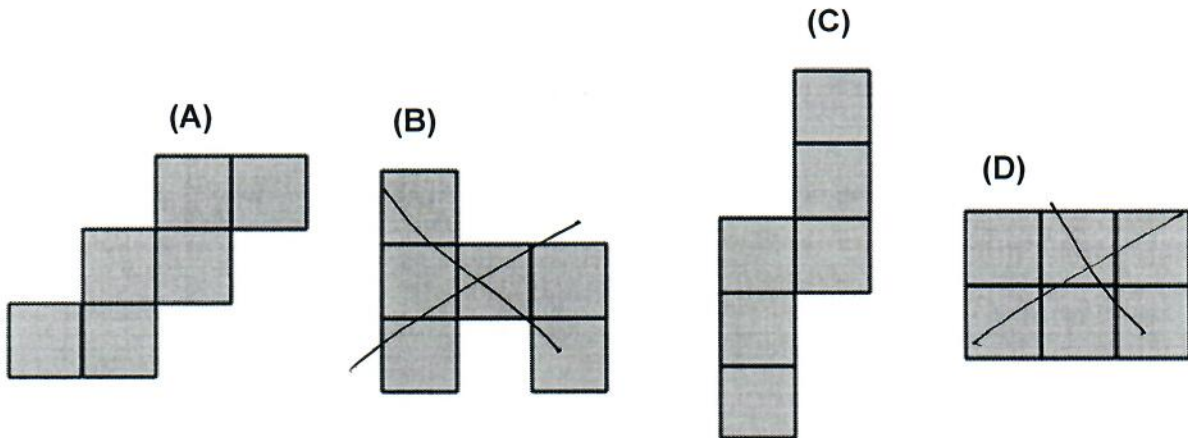


What is the of the length of one of the sides of the large square?

6

56

Look at the nets of cubes below.



Which two nets above fold to make a complete cube?

A and C