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ENTRANCE ASSESSMENT

Practice Paper 17

'Practice makes Progress'

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 President hoped that the citizens of the country would vote to reelect him.
re-elect

A B C D N

2 I am planning to go to Canada this summer to visit my three cousins. Nicola,
Emma and Sarah.

A B C D N

3 I fell and hurt my arm this afternoon; I am going to go to the hospital to get it checked
in case it is broken.

A B C D N

4 Aine and Ryan got married last Saturday at the most beautiful venue in Italy.

A B C D N

5 When at our caravan, we love to spend time at Portstewart Strand.

A B C D N

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 I told my brother that I had

forgive	forgave	apologised	forgiven	excused
---------	---------	------------	-----------------	---------

A B C **D** E

him for the damage he caused to my new car.

7 Albert Einstein is well known for

discovering	discovered	identify	discover	discovers
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A B C D E

the theory of relativity and making vital contributions to the theory of quantum mechanics.

8 The first modern Olympics were

done	organised	held	ran	accommodated
------	-----------	-------------	-----	--------------

A B **C** D E

in Athens, Greece in 1896.

9 We only realised that we had

forget	neglected	forgot	forgotten	forgetting
--------	-----------	--------	------------------	------------

A B C **D** E

to leave out the bins when we heard the lorry on the street.

10 Jared decided he would

requested	asking	auditioning	registers	apply
-----------	--------	-------------	-----------	--------------

A B C D **E**

to take part in his favourite gameshow.

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 Our school decided to have a *fundraising* day to help raise money for new library books.
A B C D N

12 It had become increasingly *apparent* to everyone that there was something seriously wrong with the family dog.
A B C D N

13 I had the absolute ^xpriviledge of meeting The Queen just before her death last year.
A B C D N

14 A devastating fire destroyed the beautiful and historic building beyond repair.
A B C D N

15 They couldn't complete the jigsaw puzzle as they had lost the last *piece* peice.
A B C D N

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

'Cauldron of Life'

1. "How hard could it be?" he had told his comrades. "It's not like we don't know
2. the general direction."
3. Now he chastised himself. *You've been wandering the Forest of Frith for two weeks. If it was*
4. *there to find, you'd have found it by now.*

5. It must be a mere legend then. There could be no other explanation for it. All that talk of faeries,
6. selkies and changelings when he was younger, and they probably didn't even exist. Just like
7. he'd always said.

8. He cursed his superstitious grandmother. How different things would have turned out if she had
9. only known the truth. He dropped his rucksack on the ground and found a boulder to perch on.
10. He just had to find a way back home again. His compass was attached to his belt with a braid
11. of coloured string. He stroked the soft-worn fabric and allowed himself a moment to reminisce
12. about the boy who had made it for him. What would he look like now, he wondered. Three
13. years was an awfully long time.

14. Gods knew, he had changed so much himself. Gone was the strict military haircut - his
15. commanding officer didn't bother to discipline him anymore.
16. "You're an artist," he said. "I don't care if you tattoo your whole face, as long as you
17. turn your maps in on time."
18. He didn't need to be told twice. At the first opportunity, he'd shaved the sides of his head and
19. dyed the rest a bright purple. Whenever he thought about his grandmother's face when she'd
20. last seen him, he chuckled. It had been easy to walk away from her forever when she was
21. struck dumb by his hair. The nose piercing had helped too.

22. The mapmaker stretched and surveyed the forest around him. Something was different,
23. but he couldn't quite work out what. Had the wind changed? He watched the trees ahead
24. shift lazily in the breeze. The smell of pine resin brought a familiar ache to his chest. *I'll take*
25. *a boat to Edessa after this*, he thought. Eilanmòr was too familiar now.

26. No, it was something else. Something else was strange about the land around him. It took
27. him a while, but when he finally recognised what it was, his blood ran cold. The forest was silent.
28. There were no birds chirping, no insects whirring around. Aside from the whisper of the wind
29. through the trees, there was no sound of life. The mapmaker leapt up from his perch and
30. grabbed his pack. The only thing that could quiet a forest was a predator. He scanned the
31. spaces between the trees. Was it a bear? A pack of wolves? It didn't matter, it was time to leave.

'Cauldron of Life' - by Caroline Logan

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

'Now he chastised himself. *You've been wandering the Forest of Frith for two weeks. If it was there to find, you'd have found it by now.*'

(Lines 3 & 4)

What does this tell you about the main character at the start of the passage?

- A He is happy with the progress that he and his followers are making.
- B He is annoyed with himself that they hadn't found his grandmother.
- C He is confused because he should have found what he was looking for by now.
- D He is hurting himself the longer they have to keep searching.
- E He has lost faith that what he is searching for is actually there.

17

Which word located between lines 3-8 indicates that something is based on folklore?

- A chastised
- B changelings
- C legend
- D cursed
- E exist

18

Which of following lines in the passage does not contain a contraction?

- A Line 1 *don't*
- B Line 16 *You're*
- C Line 6 *didn't*
- D Line 24 *I'll*
- E Line 20 *x*

19

Based on your reading and understanding of lines 16-19, what does the phrase, 'He didn't need to be told twice,' mean in this context?

(Look at lines 16-19)

- A He doesn't need to be convinced to do something he already wants to do.
- B Clarification is not something he requires.
- C People feel he needs constantly reminded of things.
- D He doesn't need someone to repeat an instruction to him more than once.
- E He likes people to tell him how to do things.

20

In lines 20-21 the main character of the story says that it was, 'easy to walk away from her forever when she was struck dumb by his hair. The nose piercing had helped too.' when referring to his grandmother.

Based on your understanding of this part of the passage, what do you think was grandmother's opinion regarding his appearance?

- A She approved of his newly found individuality.
- B She was shocked and didn't approve of the choices.
- C She thought that he was stupid.
- D She thought he was playing a prank on her.
- E She believed he was disrespecting her.

21

What did the mapmaker realise was different about the forest?

- A The speed of the wind had changed.
- B The familiar noises had all vanished.
- C The smell of pine was stronger.
- D He could hear more birds chirping than usual.
- E He couldn't quite work it out.

22

'His blood ran cold.' Line 27

What literary device is this an example of?

- A Quotation
- B Rhetorical Question
- C Metaphor
- D Simile
- E Personification

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

23

What is the occupation of the main character in the passage?

A mapmaker in the army.

24

Which word in the passage located between lines 8-16 means to think about something that happened in the past?

(Look at lines 8-16)

reminisce

25

What was the only thing that the mapmaker thought could successfully quieten the forest?

a predator

26

What word located between lines 20-23 means to 'examine' or 'look around'?

(Look at lines 20-23)

Surveyed.

27

"He scanned the spaces between the trees" (lines 30 and 31)

Explain what is the mapmaker doing.

Looking out for something suspicious in the forest.

Looking carefully between the trees for something/the predator.

28

'He watched the trees ahead shift lazily in the breeze.' (Lines 23-24)

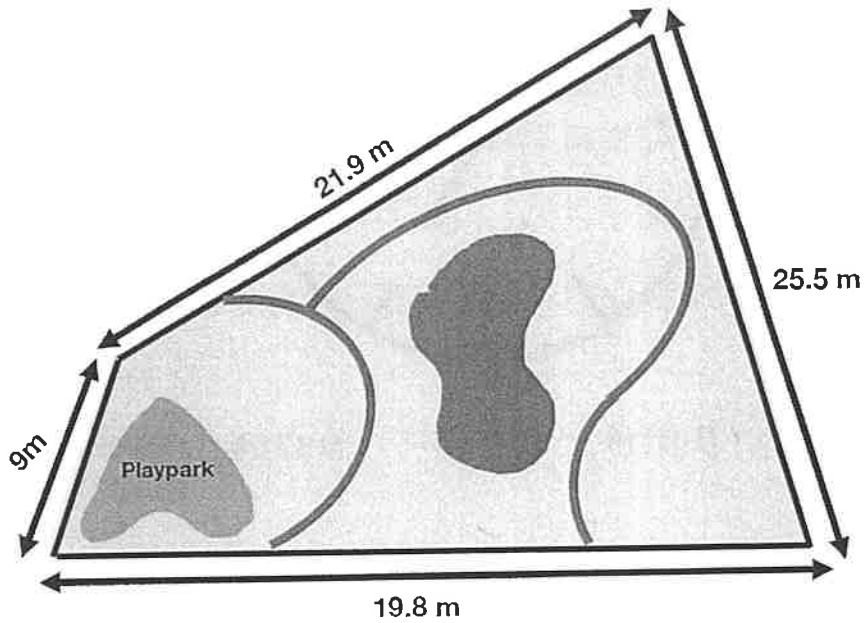
In the context of this sentence, what type of word is 'breeze'?

noun.

Maths - Main Test

29

The local council have submitted plans to turn a derelict piece of land into a small park. The plans for the park are shown below.



$$\begin{array}{r} 21.9 \\ 25.5 \\ 19.8 \\ 9.0 \\ \hline 76.2 \end{array}$$

What is the perimeter of the proposed park?

A 67.3m

B 74.2m

C 76.2m

D 56.2m

E 58.3m

30

Look at the series of numbers and select the answer where the 9 stands for 9 hundredths.

A 1687.29

B 915.07

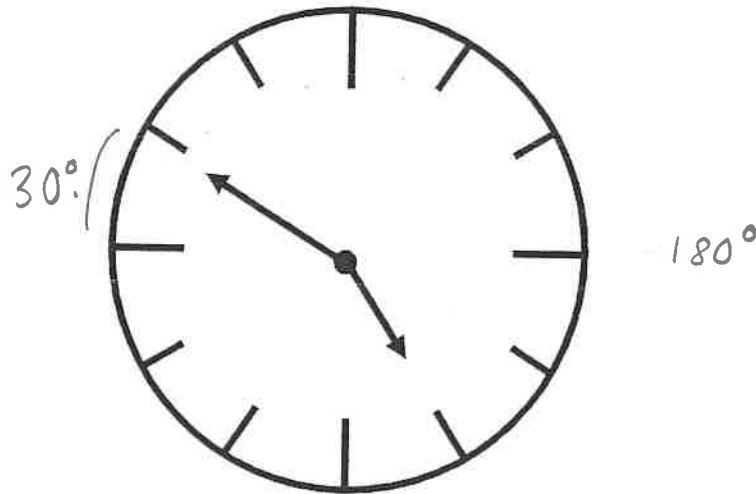
C 592.17

D 9316.21

E 821.91

31

Mr McCullough looks at his watch to check the time and realises that his watch is slow. The time his watch is showing is drawn below. He fixes his watch by winding the minute hand through 150° clockwise. What time should his watch be showing?



- A 17:00 **B 17:15** C 16:35 D 17:05 E 16:10

32

Seth is baking banana bread with his Nanny Fi. They weigh out the dry ingredients required for one loaf of banana bread.

In total, a bag of flour contains 4kg and the recipe requires only 780 grams of flour. Nanny Fi and Seth decide to also make another loaf of banana bread for Seth to take home. How much flour remains in the bag?

$$\begin{array}{r} 780 \\ \times 12 \\ \hline 1560 \end{array}$$

$$\begin{array}{r} 34000 \\ - 1560 \\ \hline 2440 \end{array}$$

- A 3.220kg B 3.210kg **C 2.440kg** D 2.340kg E 2.750kg

33

An angle measuring 270° is known as a:

- A Straight Line Angle
 B Right Angle
 C Obtuse Angle
 D Acute Angle
E Reflex Angle

34

Which of the below statements is incorrect?

A $2.5 + 4.4 = 6.9$ ✓

B $3.1 + 5.8 = 8.9$ ✓

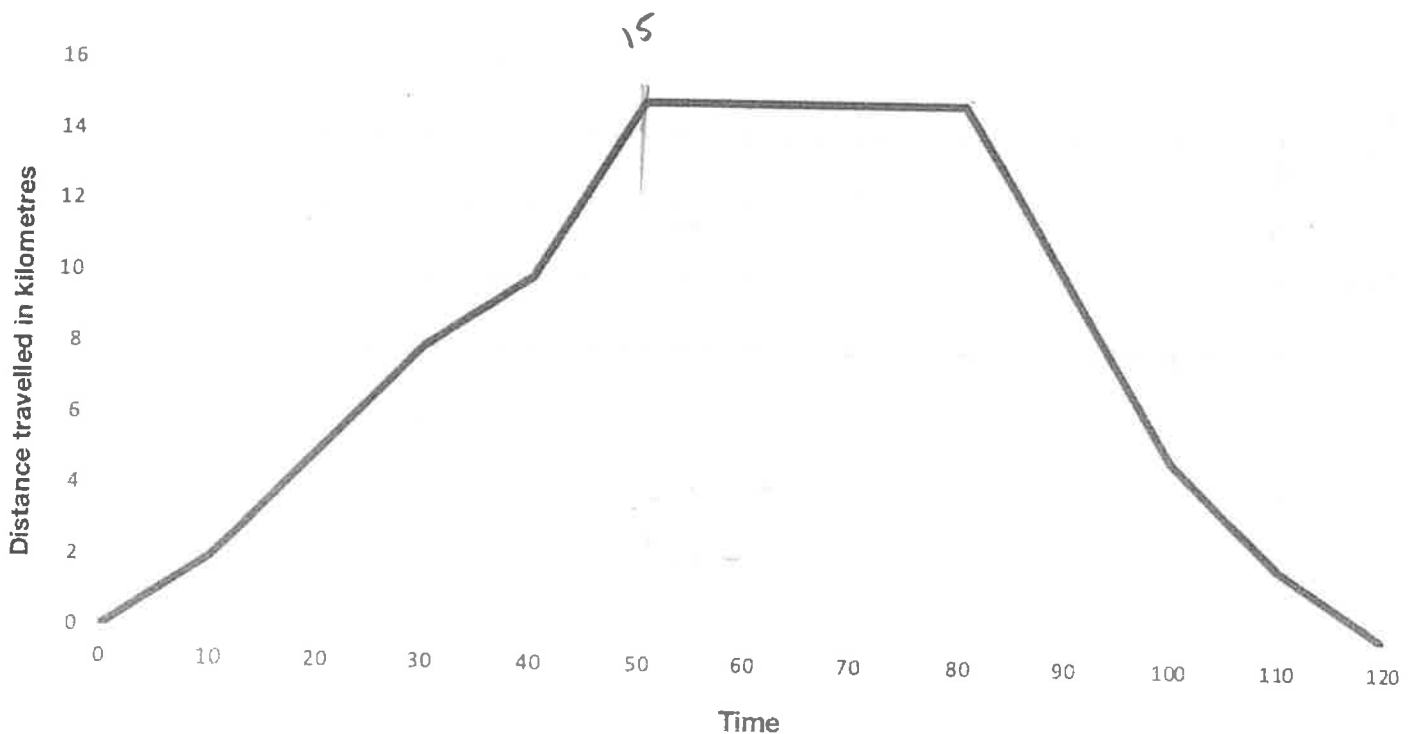
C $9.7 - 5.2 = 5$

D $18.96 \div 2.4 = 7.9$

E $8.9 + 3.1 = 12$

35

Euan decides to go paddleboarding at Helen's Bay. He starts at the beach, paddleboards across the shoreline to Bangor Marina and then returns to Helen's Bay after a period of time. The graph below shows the time and distance travelled by Euan on this journey.



15×2

How far did Euan travel on his paddleboard?

A 30km

B 15km

C 120km

D 50km

E 80km

36

Laura arrives at a theme park with her 2 siblings.

They each want to go on rides and 2 tokens are required per person, per ride. They have been given £20 to spend between them. If the cost for tokens is £2 each, or 3 tokens for £4.50, how many tokens can they buy between them?

4.50

9 = 6

18 = 12

£18 = 12 tokens.
£2 = 1

- A 10 tokens B 13 tokens C 12 tokens D 11 tokens E 15 tokens

37

Which of the following numbers is a triangular number?

A 64

x

B 27

C 78

D 23

E 81

x

38

Leah and Matthew have bought a thermometer to monitor the temperature of their baby's nursery. They note that between the hours of 12am - 8am, the temperature dropped by 7.3°C to 17.5°C. What temperature was the nursery at the beginning of the night?

$$\begin{array}{r} 17.5 \\ + 17.3 \\ \hline 24.8 \end{array}$$

A 23.7°C

B 24.5°C

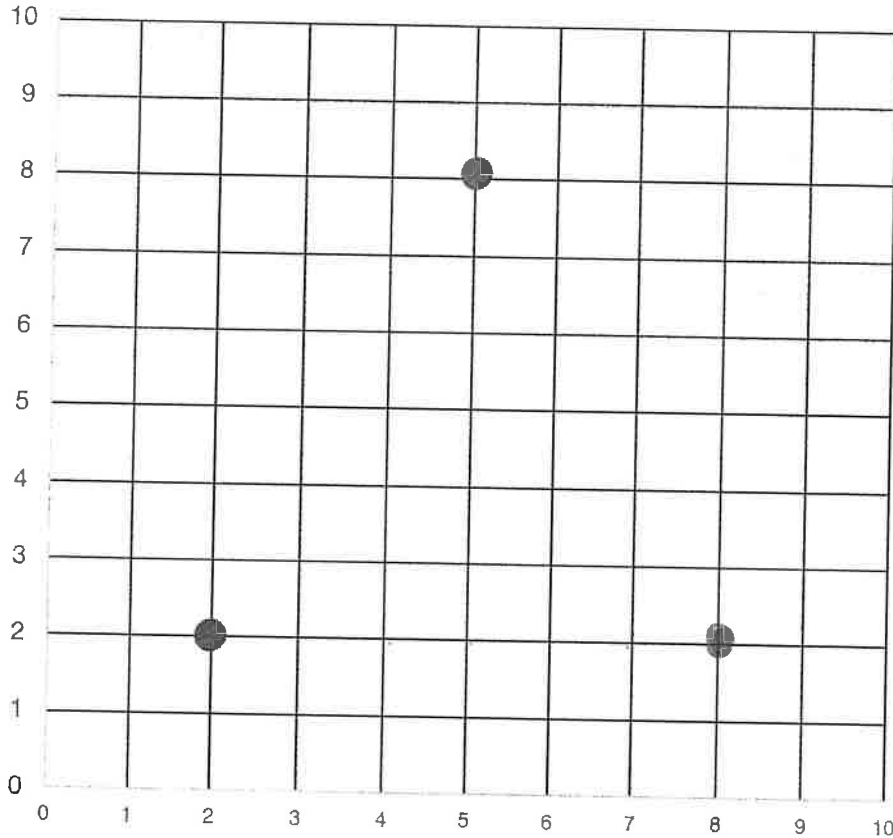
C 22.9°C

D 24.8°C

E 25°C

39

The following two points (2,2) and (5,8) are the beginning of an equilateral triangle. Select the final co-ordinate which would correctly complete the shape when drawn.



- A (2,9) **B (8,2)** C (7,3) D (7,2) E (9,4)

40

Lydia works as a nurse in the local hospital's A&E department. Over the weekend, she works the following shifts:

Saturday 7am-3pm 8
 Sunday 10am-2pm 4 = 12

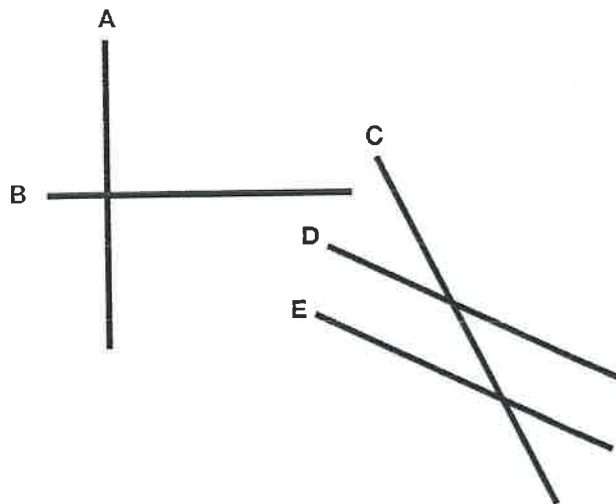
$$\frac{12}{48} = \frac{1}{4}$$

What percentage of her weekend did she spend at work?

- A 25%** B 20% C 15% D 10% E 30%

41

Select the option which best reflects the correct properties for the lines below.



- A Lines A and B are adjacent, line C is parallel to A and lines D and E are perpendicular.
- B Lines D and E are parallel, lines A and B are also parallel, and line C intersects through D and E.
- C Lines A and B are not perpendicular, lines D and C are parallel, and line E intersects through D and C.
- D Lines A, B and C are parallel, and lines D and E are adjacent.
- E Lines A and B are perpendicular, lines D and E are parallel, and line C intersects through D and E.

42

Calculate the value of q:

$$42 - 6 = 6 \times q$$

$$36 \quad 6$$

A 2

B 4

C 6

D 8

E 9

43

Hannah buys her lunch from her favourite sandwich shop. She spends £5.65 on her wrap and £1.86 on a drink. How much change will Hannah receive if she pays with a ten pound note?

$$\begin{array}{r} 5.65 \\ 1.86 \\ \hline 7.51 \end{array}$$

$$\begin{array}{r} 10.00 \\ - 7.51 \\ \hline 2.49 \end{array}$$

A £6.41

B £2.59

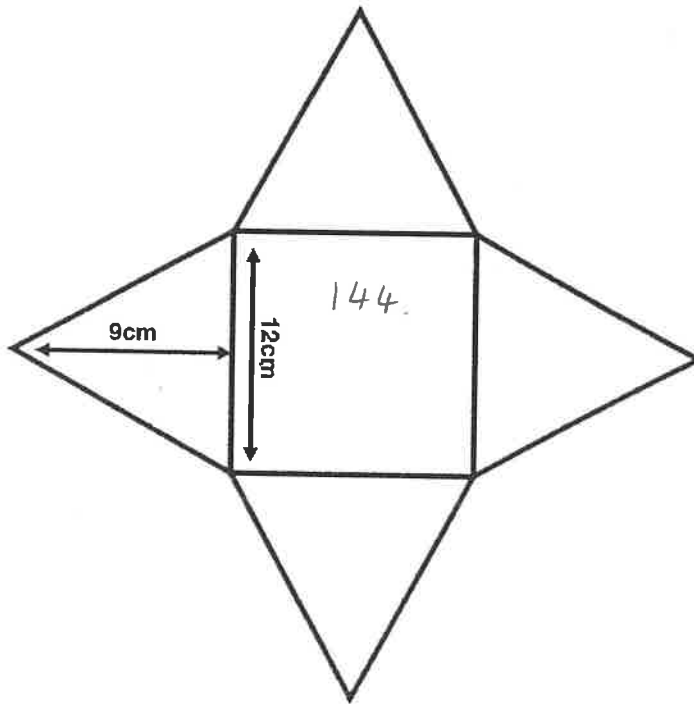
C £3.59

D £7.51

E £2.49

44

Below is the net of a square based pyramid. Using the measurements given, calculate the surface area of the net.



$$\begin{array}{r} 054 \\ 2 \overline{) 108} \end{array}$$

$$\begin{array}{r} 54 \\ \times 14 \\ \hline 216 \\ 144 \\ \hline 360 \end{array}$$

$$\begin{array}{r} 144 \\ \times 2 \\ \hline 288 \end{array}$$

A 576cm²

B 360cm²

C 432cm²

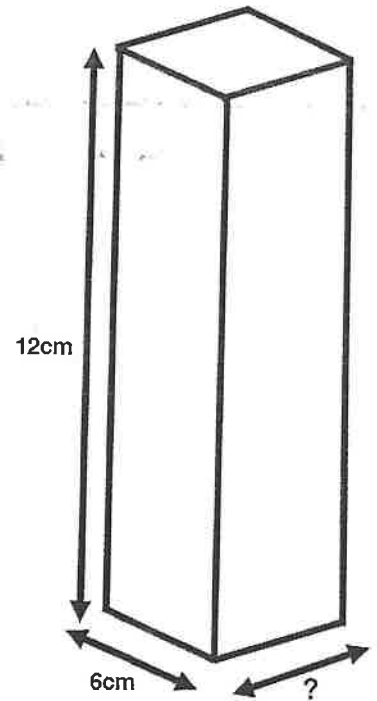
D 513cm²

E 216cm²

48

A local coffee company uses the following cardboard sleeves to package their coffee pods. The volume of the sleeve is 648cm^3 . What is the missing measurement on the sleeve design?

$$\begin{array}{r} 72. \\ \times 9 \\ \hline 648 \end{array}$$



A 7cm

B 8cm

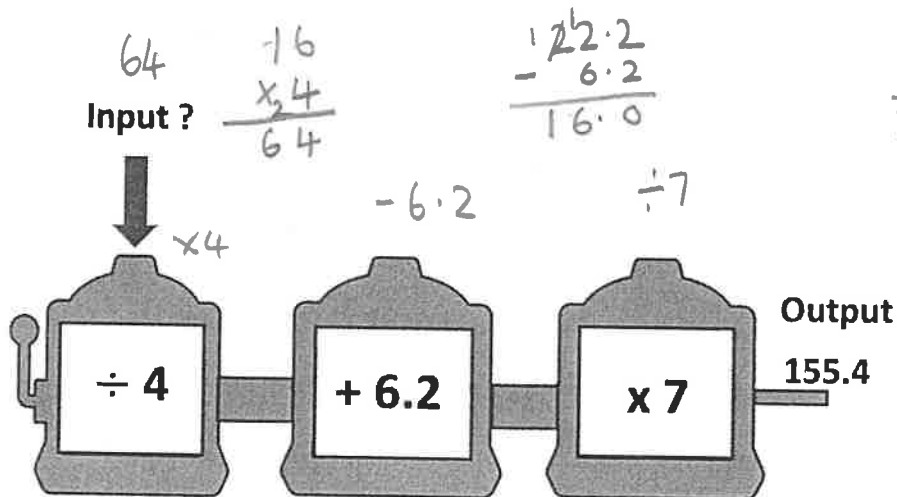
C 9cm

D 6cm

E 5cm

49

Using the function machine below, work out the number that was initially input to get the answer of 155.4



A 58.4

B 16

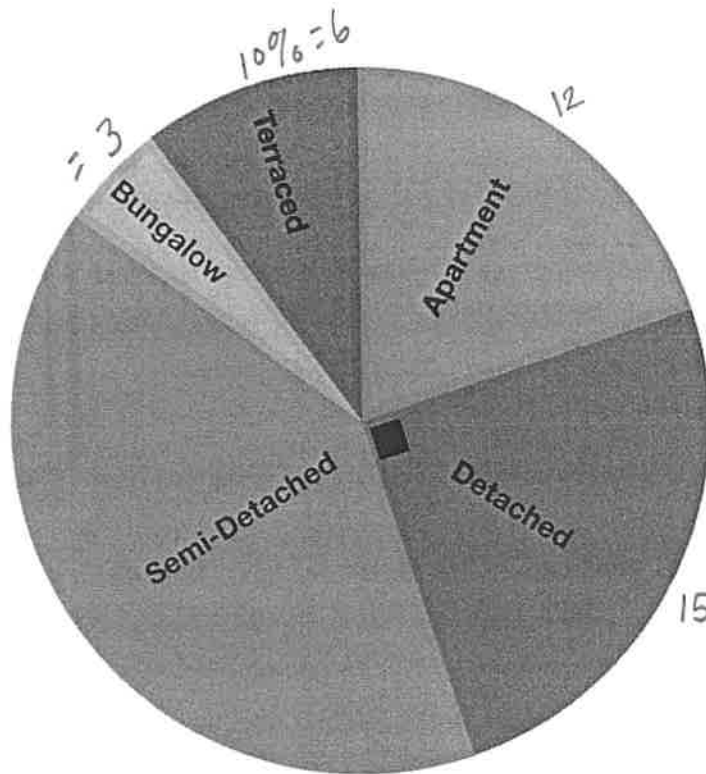
C 64

D 52

E 45

50

Sixty children across two classrooms conducted an investigation to see the different types of home that everyone lived in. Once the data was collected, it was represented in the pie-chart shown below.



$$\begin{array}{r} 9 \\ 15 \\ + 12 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 510 \\ - 36 \\ \hline 24 \end{array}$$

- 10% of children surveyed lived in a terraced house.
- The number of children who lived in a bungalow was half the value of those who lived in a terraced house.
- 12 children lived in an apartment.
- 25% of the children questioned lived in a detached house

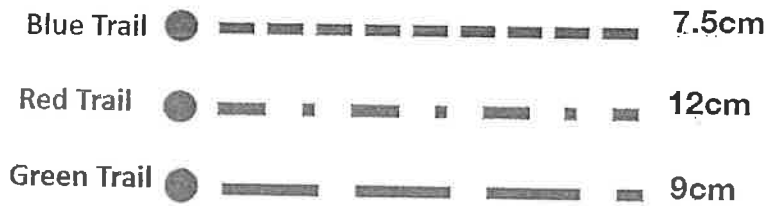
How many children lived in a semi-detached house?

- A 24 B 15 C 34 D 37 E 28

For questions 51-56, you have to write your answers in the boxes provided on your answer sheet.

51

A forest park has just finished creating new walking trails for the public to enjoy. The three trails are displayed on a board to show their distances. The routes are shown on the board with a scale of $0.5\text{cm} = 1.5\text{km}$.



$$\begin{array}{r} 1.5 \\ \times 5 \\ \hline 7.5 \end{array}$$

$$\begin{array}{r} 30 \\ 15 \text{ km} \\ 7.5 \\ 6 \\ \hline 58.5 \end{array}$$

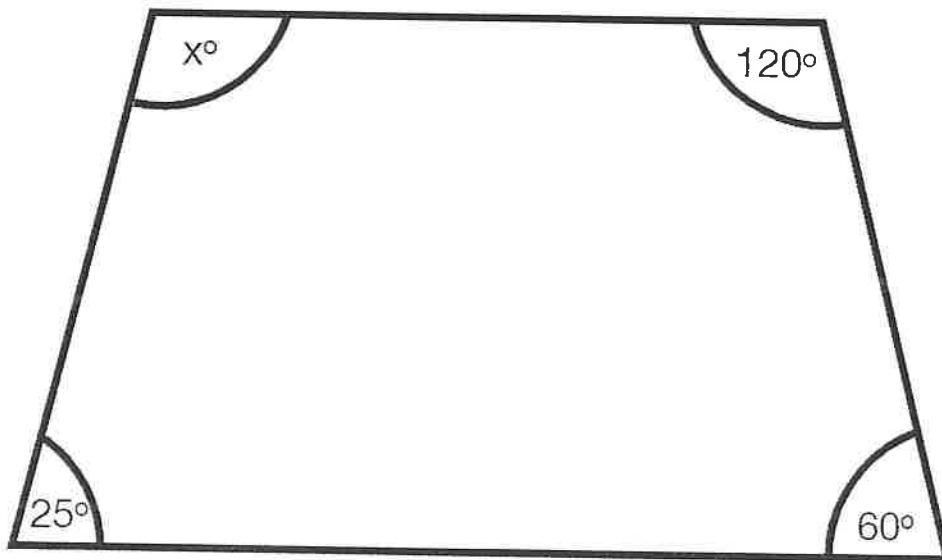
$$\begin{array}{r} 1.5 \\ \times 20 \\ \hline 30.00 \end{array}$$

$$\begin{array}{r} 1.5 \\ \times 24 \\ \hline 6.0 \end{array}$$

How many kilometres would you walk if you decided to complete both the red and blue trails?

58.5 km

52



$$\begin{array}{r} 120 \\ 60 \\ \hline 180 \\ 205 \end{array}$$

$$\begin{array}{r} 360 \\ - 205 \\ \hline 155 \end{array}$$

The shape above is a trapezium. Calculate the value of the missing angle.

155°

53

Conal notes down the distances he runs over the course of 5 days in preparation for running a 10k race. His distances are noted below.

Day	Distance
Monday	2500m
Tuesday	5km
Wednesday	7.5km
Thursday	5575m
Friday	9.25km

$$\begin{array}{r}
 2500 \\
 8000 \\
 7500 \\
 8575 \\
 + 9250 \\
 \hline
 29825
 \end{array}$$

$$\begin{array}{r}
 05965 \\
 5 \overline{) 29825} \\
 \hline
 \end{array}$$

What is the average amount of metres that he has ran?

5965 mtrs

54

Fionn uses a new sleep tracking app on his phone to see how long he is sleeping each night. When he checks his app in the morning, it shows that he fell asleep at 23:45 and woke up at 06:15. How many minutes in total did he sleep for?

$$\begin{array}{r}
 12:45 \\
 1:45 \\
 2:45 \\
 3:45
 \end{array}$$

$$4:45 = 6 \text{ hr } 30 \text{ mins.}$$

$$60 \times 6 = 360$$

$$+ 30$$

390 mins

55

Jenny buys two chocolate oranges on a *buy-one-get-one-free* offer. Each chocolate orange contains 20 segments. Over the course of a week, she consumes $\frac{3}{5}$ of the chocolate oranges. How many segments of chocolate does she have left?

$$\begin{array}{r}
 340 \\
 - 24 \\
 \hline
 16
 \end{array}$$

$$\frac{3}{5} = 24.$$

16 segments

56

How many millilitres are there in 48.5 litres?

48500 ml

