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# **ENTRANCE ASSESSMENT**

## **Practice Paper 11**

*'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 Mount Everest is the world's highest mountain above sea level. It is located in the  
A B C D N
- 2 H  
himalayan mountain range in Asia, and its summit is bordering China and  
A B C D N
- 3 Nepal. Everest is an astounding 8,848 metres tall and approximately 800 climbers  
A B C D N
- 4 reach the summit every year. Once climbers pass 8000 metres, they enter what is  
A B C D N
- 5 known as the death zone, where there is not enough oxygen to sustain Human life.  
A B C N
- Around 310 people have died to date in their attempt to climb Everest.  
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

The assembly hall was filled with

tension

anger

laughter

sadness

happiness

A

B

C

D

E

as everyone waited for the principal to announce the winner of the award.

7

The aeroplane

descended

plummeted

soared

slumped

ascended

A

B

C

D

E

from a height of 30,000 feet within 60 seconds and crashed into the sea due to engine failure.

8

Craig was

elated

confident

pleased

worried

frustrated

A

B

C

D

E

because he put in lots of practice, and he still failed his driving test.

9

It is

It was

It has

It will be

It won't

been brought

A

B

C

D

E

to my attention that someone has been stealing from the shop's cash register.

10

The family felt that they should

reduce

shrink

low

drop

ease

A

B

C

D

E

the amount of money they were spending on non-essential items to help them save for a holiday.

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

*honoured*

11 The shop honoured the price of the television even though they priced it incorrectly.  
A B C D N

*ei*

12 Scarlett was thrilled to have reieved an award for her engineering project.  
A B C D N

*all*

13 Christopher accidently dropped his brand-new phone and smashed the screen.  
A B C D N

*borrow*

14 A student came to my classroom to ask if their teacher could borow my iPads.  
A B C D N

15 The theme park had to close down for two weeks to carry out some essential  
A B C

*e*

maintanance on many of their rides.  
D N

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

## 'Mary's The Name' by Ross Sayers

1. When me and Grandpa watched James Bond films, he told me not to get scared because
2. people didn't have guns like that in Scotland. That must've been why the robbers
3. used hammers.
4. 'Empty the tills,' one of them shouted. 'Everybody stay back. Nobody needs to be a hero.'
5. The robber had the hammer above his head, like he would use it on Grandpa if he didn't
6. do what he said. It was like something off the telly, but I couldn't change the channel.
7. I was crouched down under a table, next to the staff room. The robbers couldn't spot me.
8. They were both wearing those masks you wore for the cold - *balaclavas* - that was
9. the proper word.
10. 'I need a winning coupon to put through,' Grandpa said,
11. 'To get the till to open.'
12. The robber had one. He handed it over.
13. 'Barca at home, twelve to one on!' The robber shouted.
14. 'But a win's a win, eh?'
15. He was using a silly, deep voice so we wouldn't know what his real one was like.
16. Grandpa took the betting slip and scanned it. His computer buzzed.
17. 'The safe next,' the robber went on. 'We'll have the insert, as well.'
18. Grandpa leaned down to twirl the clicky wheel to open the safe.
19. 'The safe's nae problem,' Grandpa said. 'But the insert takes thirty minutes' notice
20. to open.'
21. I could see the robber's big teeth showing through the hole in his mask

22. 'Don't start,' the robber said. 'I know that bloke there's been waiting on his winnings

23. for about half an hour.'

24. As the robber pointed to a man standing near the counter, the safe beeped five times.

25. 'That'll be the insert ready for opening, aye?' said the robber.

26. 'Aye, very good,' Grandpa said. 'Ye've it aw planned oot, I suppose.'

27. The other robber was going around the security cameras, spraying them with black

28. spray paint. He had a hammer too. When he was done, he stood guard near the door.

29. There was a Desk Robber and Guard Robber. Guard Robber didn't come near

30. to the desk, so I didn't get to see his eyes or mouth, but I was ninety-nine percent

31. sure he was the ugliest person ever. Apart from maybe the Desk Robber. It was okay to

32. call bad people ugly. They didn't have feelings the way good people did.

33. It was a Saturday and the shop was busy. The robbers didn't tell anyone to get on

34. the ground though. The men stood with their arms crossed and made mean faces, but no

35. one tried to stop it. One man kept writing on a bet slip with a little pen. My heart went

36. so fast it was sore.

37. Grandpa was putting the money into their big rucksack as fast as he could.

38. Grandpa's boss, Mr Ferguson, was in the staff room. He was staring out the crack in the

39. door, whispering into his mobile phone. I hoped he was phoning 999. If he wasn't, it

40. was just the worst time to fancy a chat with someone.

### **'Mary's The Name' by Ross Sayers**

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

**Why did Grandpa tell Mary not to get scared when they watched James Bond films?**

- A It was a fictional story.
- B James Bond was the good guy in the film.
- C They didn't have guns in Scotland like they did in the movie.
- D The guns in the movie were just props.
- E The guns in the movie wouldn't hurt anyone.

17

**What weapon were the criminals in the story using?**

- A Hammer
- B Gun
- C Knife
- D Baseball bat
- E Crowbar

18

**What is meant by the phrase '*Nobody needs to be a hero.*' on line 4?**

- A Nobody should pretend they are a superhero.
- B Nobody should try to stop the criminals.
- C Nobody should try to save Grandpa.
- D There are no heroes amongst the group.
- E Everyone should work together instead of one person trying to solve the issue.

19

**Why did Mary think that it was acceptable to call the criminals 'ugly'?**

- A They were bad people and they deserved it.
- B She thought they were ugly and was just speaking her mind.
- C They were wearing balaclavas to hide their faces so they must be ugly.
- D They didn't have feelings the way good people did.
- E It was okay because they were doing something wrong.

20 The word 'guard' is used on line 28. In the context of the sentence, what type of word is 'guard'?  
(Look at Line 28)

- A Adjective
- B Collective noun
- C Verb**
- D Adverb
- E Noun

21 Why did Mary believe the robbers had used hammers for the robbery?

- A A hammer was easier to conceal compared to a gun.
- B They found a hammer inside the shop and chose to use it.
- C Weapons like hammers were easier to obtain.
- D She didn't think that guns were real.
- E Her Grandpa told her that they couldn't get dangerous guns in Scotland.**

22 *'It was like something off the telly, but I couldn't change the channel.'*  
What does this phrase tell you about how Mary is feeling about the unfolding situation?

- A She couldn't believe it was happening as it was like something she had seen on TV.**
- B She didn't understand the situation.
- C She wishes she wasn't there and was watching the TV instead.
- D She was nervous but the robbers couldn't see her beside the table.
- E She was confused as she couldn't see the robbers as they had balaclavas on.

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

23 How did the thief know that Grandpa was stalling when he said, 'The safe's nae problem...But the insert takes thirty minutes' notice to open'?

*The robber had watched someone else waiting about half an hour for their winnings.*

24 Which one word in lines 13-20 means the same as 'daft'?

*silly*

25

Why was Mary unable to be spotted by the criminals?

Mary was crouched down under the table so  
couldn't be seen.

26

Why do you think one of the robbers went around spraying the security cameras with black spray paint?

so that the cameras wouldn't record them and  
give evidence to convict them.

27

'My heart went so fast it was sore.' (Lines 35 & 36)

What does this statement tell you about how Mary is feeling about the situation?

Mary is feeling anxious / worried / scared / frightened.

28

Which word in the text means 'to speak in a quiet hushed tone'?

whispering.

# Maths - Main Test

29

1/5 of G = 10

$$\frac{5}{5} = 50$$

What is 80 % of G?  $10\% = 5$   $5 \times 8 = 40$

A 50

B 80

**C 40**

D 10

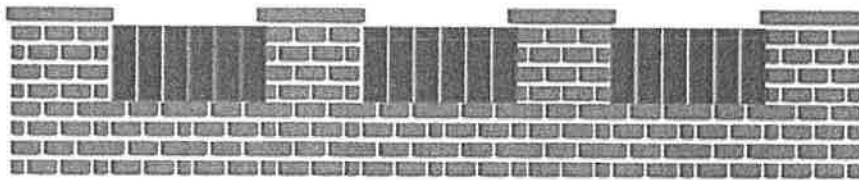
E 60

30

Mr. Hargy has just had a new wall built at the front of his house. The finished wall is pictured below. After the wall was built, he installed three fencing panels between the brick pillars measuring 90 cm by 60 cm each. What is the combined area of all three panels?

$$90 \times 60 = 5400$$

$$\begin{array}{r} \times \quad 1 \quad 3 \\ \hline 16200 \text{ cm} = 16.2 \text{ m} \end{array}$$



**A 16.2m<sup>2</sup>**

B 10.8m<sup>2</sup>

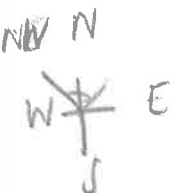
C 5.4m<sup>2</sup>

D 14.4m<sup>2</sup>

E 18.9m<sup>2</sup>

31

George is at the airport watching the planes take off from the viewing tower. When the plane travels down the runway, it's facing Northeast before completing a 90° turn anti-clockwise on take-off. What direction is the plane facing when it takes off?



A West

B Southeast







C East


**D Northwest**

E North

32

A new donut shop has opened in Belfast and they decided to record the sales of their donuts on their opening day. They created a pictograph to show the data they recorded.

Donut	Purchases
Boston Cream	 50
Chocolate Dip	 70
Sprinkle Dipped	 100
Plain Donut	 30
Honey Glaze	 40
Strawberry Cream	 60

200  
100  
50  
 = 20 donuts

What was the total number of donuts that they sold on their opening day?

- A 370 donuts
- B 320 donuts
- C 340 donuts
- D 185 donuts
- E 350 donuts

33

On the second day of business, the donut shop sold as many Boston Cream donuts as they sold Sprinkle Dipped donuts on the first day. What is the difference between their day one and day two sales for Boston Cream donuts?

100  
- 50

- A 50
- B 30
- C 40
- D 25
- E 60

34 Simon is baking a cake with his grandma. The cake contains different types of fruit which makes up 30% of the ingredients. If the whole cake weighs 1.5kg, what is the total weight of the fruit?

$$1500 - 10\% = 150$$

$$30\% = 450$$

- A 1050g    **B 450g**    C 150g    D 315g    E 735g

35 What is the difference between  $8^2$  and  $6^2$ ?

$$\begin{array}{r} 564 \\ - 36 \\ \hline 28 \end{array}$$

- A 48    B 4    C 2    **D 28**    E 26

36 How many lines of symmetry do a rhombus and a square have in total?

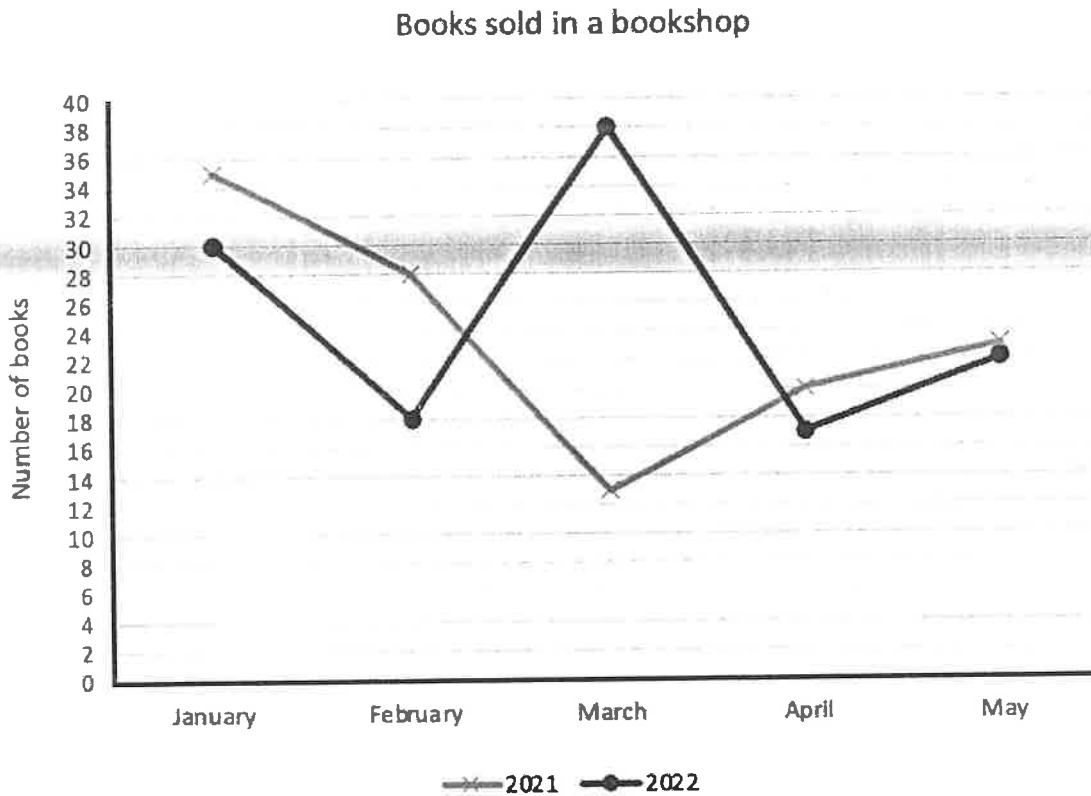
- A 6**    B 5    C 3    D 7    E 8

37 In the below question, in which statement does  $y$  represent the largest value?

- A  $y - 5 = 12$     17  
 B  $y + 17 = 25$     8  
 C  $4y = 60$     15  
**D  $4 + 19 = y$**     23  
 E  $45 - 3 = 3y$     14

38

The following line chart shows the number of books sold by a bookshop over a five-month period in 2021 and 2022.



Which month has the greatest range when comparing sales in both years?

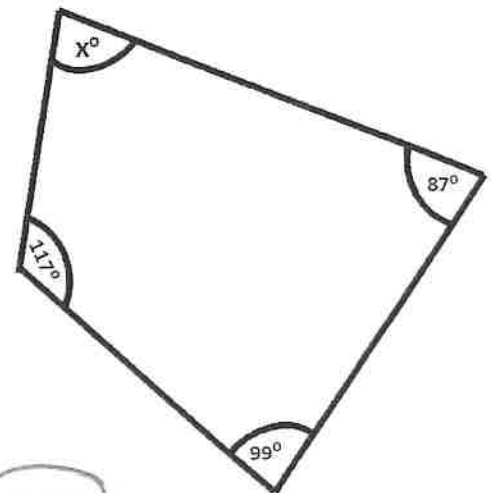
- A January    B February    **C March**    D April    E May

39

The following quadrilateral is missing one of its angles. What is the value of the missing angle?

$$\begin{array}{r} 51 \\ 360 \\ - 303 \\ \hline 57 \end{array}$$

$$\begin{array}{r} 87 \\ 117 \\ 299 \\ \hline 303 \end{array}$$



- A  $56^\circ$     B  $90^\circ$     C  $156^\circ$     D  $176^\circ$     **E  $57^\circ$**

40

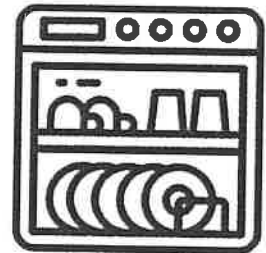
Chris enjoys coffee for his breakfast every day. He usually spends £12 on a bag of whole-bean coffee every month. However, he sees a coffee supplier has set up a subscription service which would be 15% cheaper every month. How much will Chris spend on a bag of coffee beans each month by choosing the subscription service?

$$\begin{array}{r}
 12.00 - 10\% = 1.20 \\
 - 1.80 \\
 \hline
 10.20
 \end{array}
 \qquad
 \begin{array}{r}
 5\% = 0.60 \\
 \hline
 1.80
 \end{array}$$

- A £10.50    **B £10.20**    C £11.10    D £10.80    E £11.40

41

The manager of a café wants to see how much water is used in one cycle to clean dishes. They set up a tracker on the dishwasher which shows that every minute that the dishwasher is running, 725ml of water is being used. If it takes 5 minutes to wash the dishes from a customer's table, how much water is being used in one cycle?



$$\begin{array}{r}
 725 \\
 \times 5 \\
 \hline
 3625
 \end{array}$$

- A 3625ml**    B 3525ml    C 3.575L    D 3.6L    E 4975ml

42

Pupils in a class are having a bake sale to raise money for their school. The class make 33 chocolate chip cookies, 20 brownies and 27 lemon slices. After the sale has finished, there were 2 chocolate chip cookies, 3 brownies and 5 lemon slices left. What fraction of the buns were left over?

$$\begin{array}{r}
 33 \\
 27 \\
 20 \\
 \hline
 80
 \end{array}$$

10 left

- A  $\frac{1}{6}$     B  $\frac{1}{7}$     C  $\frac{2}{5}$     **D  $\frac{1}{8}$**     E  $\frac{1}{20}$

43

The mayor of a small town is trying to work out the approximate size of the population. There are 537 children and 3858 adults. What is the approximate population in the town to the nearest 10?

A 4380

B 4390

**C 4400**

D 4370

E 4300

44

A carwash worker charges £5.50 per half an hour. His average workload is shown below for a typical week:

	Monday	Tuesday	Wednesday	Thursday	Friday
Wash and valet Time required: 30 minutes	5 cars	8 cars	10 cars	2 cars	4 cars
Wash and dry only Time required: 10 minutes	6 cars	7 cars	1 car	9 cars	5 cars

5.50  
x 25  
-----  
27.50  
+ 11.00  
-----  
38.50

= 11.00

How much money will they make on Monday?

**A £38.50**

B £27.50

C £11.00

D £33.00

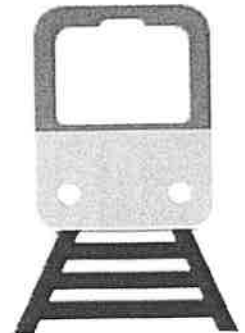
E £44.00

45

A train leaves from Dublin to Dundalk every 40 minutes. If the first train of the day leaves at 6:50am, what time does the 4<sup>th</sup> train leave at?

1 - 6:50  
2 - 7:30  
3 - 8:10  
4 - 8:50

40  
x 4  
-----  
160



A 8:10am

B 7:30am

C 9:30am

**D 8:50am**

E 10:10am

46

Max brings a box of his unwanted CDs, DVDs and video games to a local trade-in shop. Once all the items have been scanned, Max is given two options:

1. Take £45.75 in cash.
2. Take an in-store voucher worth 20% more.

How much is the in-store voucher worth if Max decided to take it?

Handwritten calculations:

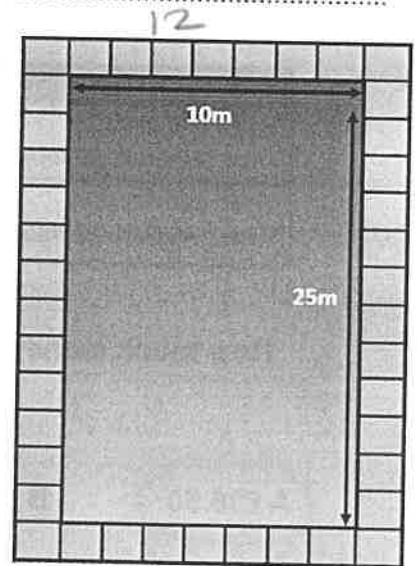
$$\begin{array}{r}
 45.75 \\
 + 9.15 \\
 \hline
 54.90
 \end{array}$$

$20\% = \frac{2}{10} = \frac{1}{5}$   
 $45.75 \times \frac{1}{5} = 9.15$   
 $45.75 + 9.15 = 54.90$

- A £52.70      **B £54.90**      C £57.20      D £36.60      E £55.26

47

The Forbes family have recently installed a swimming pool in their back garden. The pool measures 25m by 10m. A patio is built along the perimeter of the pool. One paving stone goes past the width on each side, and the length on each side. These paving stones measure 1m by 1m.



What is the perimeter including the patio?

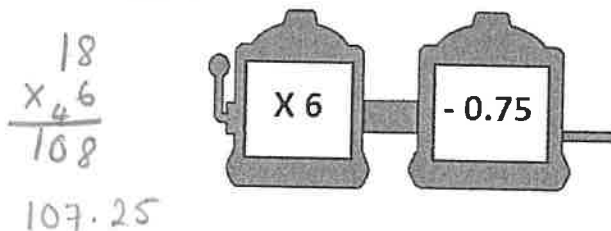
Handwritten calculation:

$$\begin{array}{r}
 27 \\
 27 \\
 + 24 \\
 \hline
 78m
 \end{array}$$

- A 78m**      B 76m      C 74m      D 73m      E 82m

48

Jeff puts the number 18 in the function machine below. What number will come out of the machine?



- A 111.25      **B 107.25**      C 101.25      D 108.75      E 104.35

49

Lara looks at the scores of her last 6 school tests which were all scored out of 100. She obtained the following scores;

Test 1) 88/100

Test 2) 75/100

Test 3) 96/100

Test 4) 64/100

Test 5) 72/100

Test 6) 55/100



$$\begin{array}{r} 259 \\ + 191 \\ \hline 450 \end{array}$$

$$6 \overline{) 450} \begin{array}{r} 075 \\ \underline{420} \\ 30 \\ \underline{30} \\ 0 \end{array}$$

What is the average of her scores across the seven tests?

A. 79

B. 71

C. 75

D. 82

E. 85

50

Claire is playing with a dice with her friend Tom. They both take it in turns to roll the dice to see who can get the biggest number.

What is the probability that they will roll an even number on the dice?

A Impossible

B Unlikely

C Even

D Likely

E Certain

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

51

A weather presenter predicted that on a day in August, the temperature would reach a maximum of  $22.4^{\circ}\text{C}$  and the minimum temperature would be  $17.9^{\circ}\text{C}$ .

+

However, when Tina checked on her thermometer in her greenhouse, the maximum temperature was actually  $5.7^{\circ}\text{C}$  warmer than the minimum temperature. What was the temperature in Tina's greenhouse?

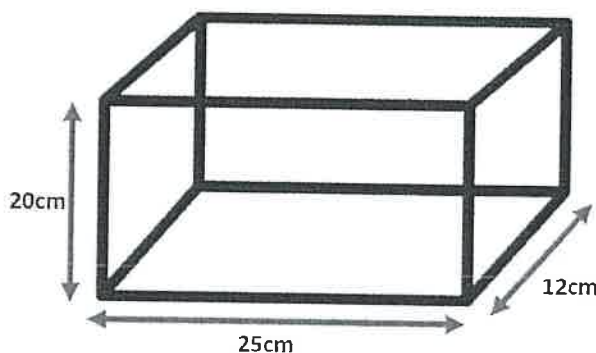
23.6°C

52

Jessica buys a storage box to keep all of her baby's old clothes. The measurements of the storage box are shown on the diagram below.

$$\begin{array}{r} 12 \\ \times 25 \\ \hline 60 \\ 240 \\ \hline 300 \end{array}$$

$$\begin{array}{r} 300 \\ \times 20 \\ \hline 6000 \end{array}$$



What is the volume of the storage box?

6000cm<sup>3</sup>

53

An oil tank holds a capacity of 835 litres when filled. Joe checks his tank to estimate when he needs to order more oil. When he checks the level in the tank, he realises that only  $\frac{2}{5}$  of the tank is not filled. How much oil would he need to have a full tank?

$$5 \overline{) 835}$$

$$\begin{array}{r} 167 \\ \times 112 \\ \hline 334 \end{array}$$

334 L

$$+ 6 \text{ min} \quad 09.00 + 5 \text{ hr} = 14.00 + 18 \text{ min}$$

54

Rachel left her house in Belfast at 08:54 to travel to Co. Cork. She arrives at her friend's house in Cork at 14:18. How many minutes has the journey taken her?

$$\begin{array}{r} 60 \\ + 5 \\ \hline 300 \end{array}$$

5hr 24min.

324 minutes

55

When Liam and Hannah do their shopping at Tesco, they like to use the self-checkouts. As they are scanning their items, an error comes up on the screen. The error shows that their items collectively should weigh 1876 grams but instead they weigh 1.52kg. What is the missing weight that the till hasn't

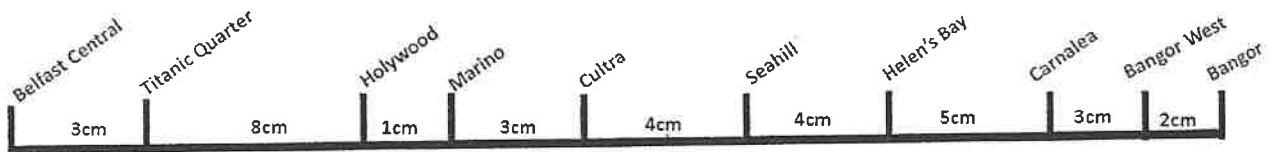
$$\begin{array}{r} 1876 \\ - 1520 \\ \hline 0356 \end{array}$$

356 grams

56

The N.I Railway's Bangor-Belfast line is shown below. On the following diagram 0.5cm = 1.5km. Using the diagram below, what is the actual distance if travelling from Seahill to Titanic Quarter?

$$1 \text{ cm} = 3 \text{ km}$$



$$\begin{array}{r} 16 \\ \times 3 \\ \hline 48 \end{array}$$

48km

