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ENTRANCE ASSESSMENT

Practice Paper 5

'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 Elijah, James, Sofia and Zara decided to go to the swimming pool and then the cinema on Saturday.

A B C D N

2 Although it was raining, Gareth and Clara climbed slieve Donard and were still greeted by an amazing view from the top.

A B C D N

3 The wonder of the Seas is currently the largest cruise ship in existence.

A B C D N

4 I packed my swimming bag with everything I need, I remembered trunks, goggles, a towel and a float.

A B C D N

5 On an average day, an estate agent will show twenty-five people around potential new homes.

A B C D N

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 Zac found the missing ^{piece} peace of Lego that he needed to complete the construction of his latest set.

A B C D N

12 The human heart pumps up to five ^{litres} liters of blood around the body every day.

A B C D N

13 Christopher thought that it was ^{weird} wierd when he came home to find his front door was lying open.

A B C D N

14 It was astonishing that Philip managed to eat a ^{whole} hole cake by himself, in one sitting.

A B C D N

15 The ^{reign} rein of Queen Elizabeth II is the longest of any monarch to have ever sat on the throne in England.

A B C D N

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

Black Water by Barbara Henderson

1. 'Early hours, 28th February 1792'
2. The boat drifts. I try to sit still as possible, so Father doesn't beat me.
3. He said he would – if I fail him.

4. A thin layer of black water swills back and forth around my feet and I wish I
5. had taken off my boots, but it's too late now. Father is standing up as
6. straight as he dares, I suspect. If I close my eyes for a moment, the night
7. can't get any blacker and there is joy in that. I squeeze my lids shut so hard
8. it hurts: something I can control. Unlike the many things I can't.
9. Whether anyone is caught and our mission succeeds.
10. Whether Old Finlay keeps his word.
11. And whether the boat holds together, and we live or die.

12. 'Sir...' I begin, but it only earns me a clip round the head and a 'Wheesht!'
13. I sense my father more than I see him, towering, balancing, straining
14. for land. The darkness is dense, and waves lick the side of our boat, stealing
15. a taste before the meal. I swallow.
16. 'Henry! There!'
17. If he's pointing, I can't see a thing. Oh, there, yes. A light, swinging up and
18. down, there on the coast. Old Finlay's signal.

19. 'Go on, boy! Row!' Father throws his weight onto the bench beside me and
20. what seems like a pailful of black salty water sweeps in.
21. 'Keep still, boy! No-one must hear.'
22. I take the strain of the oars and press my lips together so hard that I taste
23. salt and blood. Not a sound, Henry. Not a groan, not a gasp; nothing
24. must give us away.

25. The faraway cry of a shearwater and the gentle lapping of the waves are
26. both drowned out by the blood rushing in my ears. Finlay's light disappears
27. for a minute or so, but then it reappears and we have to adjust our
28. course a little. Father, just a crouching shadow beside me, hisses a bad
29. word, but the wind carries it out to sea.

30. Then the signal: a tap on the shoulder and I lower the oar slowly
31. into its hook. We drift. The faraway hulk of Criffel skulks in and out of the
32. moonlight and I fancy I hear the rocks of the seabed grind beneath us.
33. It must be shallow.

34. I squint to see Old Finlay's light again, beckoning the smugglers and their
35. boat to shore. All the while, Father is looking across the water – and then I
36. hear them too. Beside me, I can feel my father's hairy hand creep towards
37. his flintlock pistol.

'Black Water' by Barbara Henderson

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 name is given to this type of text?
- A Poetry
 - B Non-fiction
 - C Narrative**
 - D Procedural
 - E Information report
- 17 Where is Henry at the beginning of the passage?
- A On a beach.
 - B On a cruise ship.
 - C On wooden debris.
 - D In a small boat.**
 - E Swimming in the sea.
- 18 Which of the following is something that Henry knows he can control?
- A The boat they are in.
 - B The pain caused by closing his eyes.**
 - C His father's mood.
 - D The amount of water in his boots.
 - E The speed at which they travel through the water.
- 19 Why does Henry try to sit as '*still as possible*' whilst inside the boat?
- A To ensure that he doesn't capsize the boat.
 - B He is trying to avoid falling into the water.
 - C To help his father keep the boat steady.
 - D He doesn't want to be detected by anyone.
 - E To avoid getting beaten by his father.**

20 Based on your understanding of the passage, what is the atmosphere created by the situation?

- A Tense
- B Joyous
- C Gloomy
- D Depressing
- E Comical

21 Which word is used in the passage to refer to a group of people engaged in illegal activity?

- A Suspect
- B Criffel skulls
- C Smugglers
- D Thief
- E Signal

22 Which word located between lines 12-19 means the same as 'thick'?

- A Towering
- B Dense
- C Straining
- D Weight
- E Balancing

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

23 Which phrase in lines 1-11 suggests that the boat they are in is not completely reliable?

whether the boat holds together

Water swirl back and forth around my feet.

24 Based on your reading and understanding of lines 2-11, how does Henry feel about his father?

fearful / scared / afraid / frightened / terrified.

25 Which word located between lines 8-14 states that Henry and his father are undertaking an important job?

Mission

26 What two sounds were drowned out for Henry by the blood rushing to his ears?

The faraway cry of a shearwater and the gentle lapping of the waves.

27 What phrase of six words indicates that Henry isn't sure if they can completely trust Old Finlay?

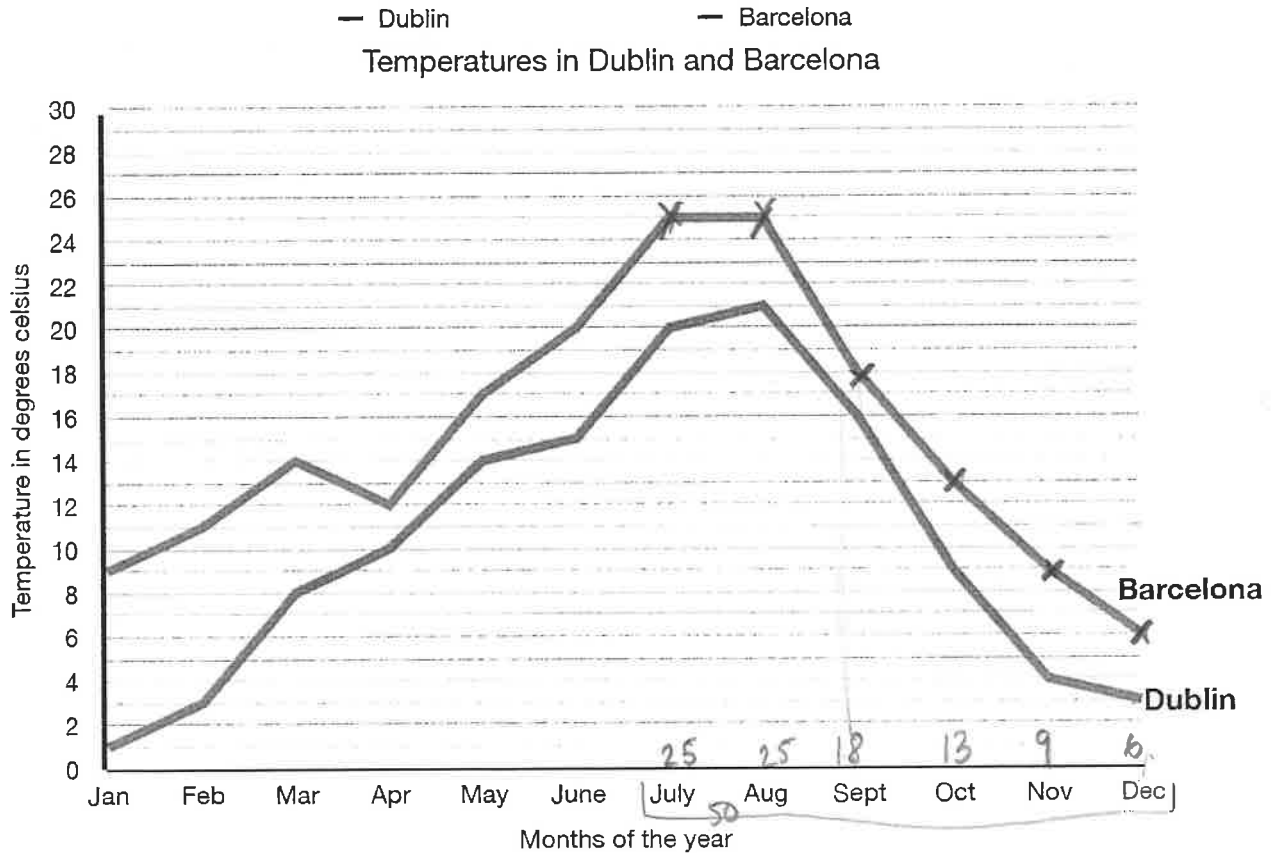
Whether Old Finlay keeps his word.

28 'I sense my father more than I see him, towering, balancing, straining for land.' - What type of word classification are the words underlined? (verbs/ nouns/ adjectives/adverbs)

Verbs - doing words.

Maths - Main Test

29 The graph below shows the average temperatures recorded each month for Barcelona and Dublin.



What is the range of the temperatures recorded in Dublin throughout the year?

- A 20°C B 19°C C 8°C D 24°C E 12°C

30 What is the average temperature in the last six months of the year in Barcelona (July-Dec)?

- A 13.5°C B 12°C C 15°C D 18°C E 16°C

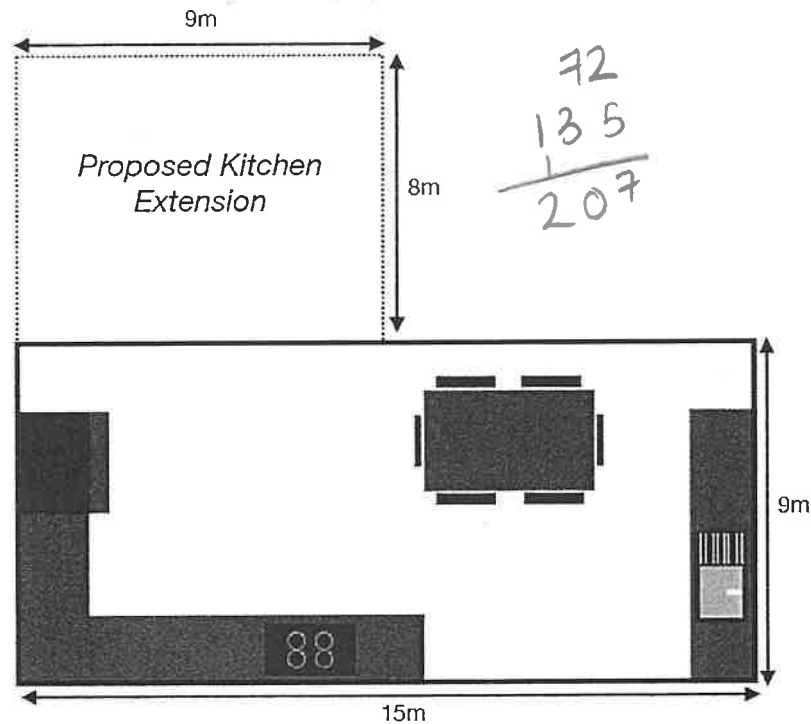
$$\begin{array}{r} 16 \\ \times 25 \\ \hline 80 \\ 320 \\ \hline 400 \end{array}$$

$$6 \overline{) 96}$$

$$\begin{array}{r} 50 \\ 18 \\ 13 \\ 15 \\ \hline 96 \end{array}$$

31

Sarah and Jeremy are planning to add an extension to their kitchen and have just received the plans from their architect. The plans below show the existing kitchen and the proposed extension.



What will the area of the kitchen be once the proposed extension has been added?

A 135m^2 B 73m^2 C 207m^2 D 167m^2 E 145m^2

32

Aaron is having some friends to his house for coffee tomorrow evening. He buys a box of 9 doughnuts costing £12.42 for the occasion. What is the price per doughnut?

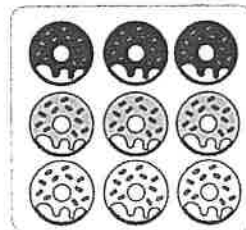
A £1.56

B £1.38

C £3.42

D £2.50

E £1.95



$$\begin{array}{r} 01.38 \\ 9 \overline{) 12.42} \end{array}$$

33

While off school with the flu, Jonah sat and watched 5 episodes of his favourite show. The 5 episodes varied in length and were as follows:

- Episode 1 - 24m 05s
- Episode 2 - 32m 15s
- Episode 3 - 28m 30s
- Episode 4 - 34m 10s
- Episode 5 - 27m 00s

$$\begin{array}{r}
 66 \\
 52 \\
 37 \\
 \hline
 145 \text{ min.}
 \end{array}
 \qquad
 \underline{146}$$

What was the total length of time that he spent watching his show?

- A 1 hour 45 minutes
- B 140 minutes
- C 2 hours 25 minutes
- D 146 minutes**
- E 1 hour 55 minutes

34

A cup of coffee is approximately 85°C when freshly poured. Once poured, the coffee will lose 2.5°C of heat every 2 minutes.

$$\begin{array}{r}
 2.5 \\
 \times 8 \\
 \hline
 20.0
 \end{array}$$

What will the temperature of the coffee be after sitting for 16 minutes?

- A 105°C
- B 65°C**
- C 69°C
- D 101°C
- E 72°C

35

Rebecca started reading a new book on Monday which has 644 pages.

If she reads 84 pages every day for the whole week (7 days), how many pages will she have left to read the following week?

- A 56**
- B 588
- C 560
- D 568
- E 76

$$\begin{array}{r}
 84 \\
 \times 7 \\
 \hline
 588
 \end{array}$$

$$\begin{array}{r}
 644 \\
 - 588 \\
 \hline
 56
 \end{array}$$

36

The local toyshop is selling extra-large tubs of Lego for £58.00 in the sale. They reduce the price of their tubs by 25%. One week later, they reduce the price by a further 10%.

What price are they now selling the tubs for?

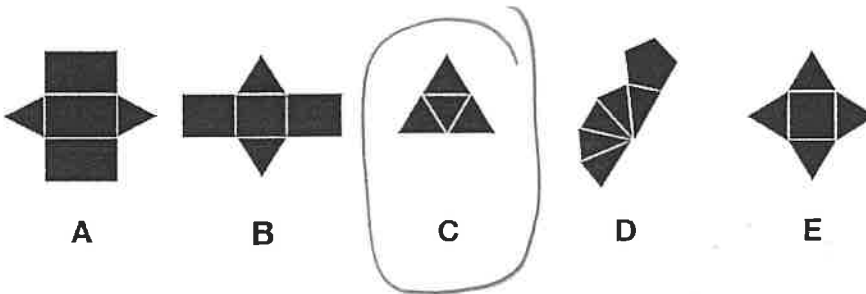
- A £43.50
- B £46.60
- C £39.15**
- D £41.76
- E £30.70

$$\begin{array}{r}
 14.50 \\
 4 \overline{) 58.00} \\
 \underline{40} \\
 18 \\
 \underline{12} \\
 60 \\
 \underline{60} \\
 0
 \end{array}$$

$$\begin{array}{r}
 71 \\
 58.00 \\
 - 14.50 \\
 \hline
 343.50 \\
 - 4.35 \\
 \hline
 39.15
 \end{array}$$

37

Which of the following nets when assembled correctly makes a triangular-based pyramid?



38

The fractions below are equivalent to each other.

$$10/12 = \frac{\quad}{36}$$

What is the value of the missing number?

- A 15
- B 20
- C 32
- D 30**
- E 25

39

Prior to travelling to New York, Levi exchanged his money at the Bureau de Change at the following rate:

$\times 20r$
 $\text{£}1 = \$1.20$

Which of the following statements is true?

- A 1 Dollar is equal to £0.70
- B 1 Dollar is equal to £1.10
- C 1 Dollar is equal to £1.00
- D 1 Dollar is equal to £0.90
- E 1 Dollar is equal to £0.80**

-20

40

Andrew is looking to book a holiday to Dubai this summer. He finds the following options online.

| Journey | | |
|------------------|-----------------|---|
| Airline 1 | Dublin 09:35 | Dubai 22:40 <i>+1 stop (London)</i> |
| Airline 2 | Dublin 10:20 | Dubai 17:55 <i>Direct</i> |
| Airline 3 | Dublin 03:50 | Dubai 20:45 <i>+2 Stops (London+Turkey)</i> |
| Airline 4 | Dublin 07:12 | Dubai 14:58 <i>Direct</i> |
| Airline 5 | Dublin 14:53 | Dubai 23:13 <i>Direct</i> |

Which airline will get Andrew to Dubai in the shortest time?

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

41 What is the value of the reflex angle shown on the clock face below?



- A 210° B 150° C 180° D 135° E 225°

42 What is the value of 9^3 ?

- A 27
B 81
C 729
D 681
E 108

$$9 \times 9 = 81$$

$$\begin{array}{r} \times 9 \\ \hline 729 \end{array}$$

43 Florence is thinking of a number. She multiplies it by 7, takes away 4 and then divides it by 6 to get 63.5. What number is she thinking of?

- A 73
B 381
C 385
D 10.5
E 55

$$\begin{array}{r} 63.5 \\ \times 6 \\ \hline 381.0 \end{array}$$

$$\begin{array}{r} 381 \\ - 4 \\ \hline 7 \overline{) 377} \\ \underline{335} \\ 42 \end{array}$$

44

A 2.5-litre tin of paint will cover an area of 8m^2 .

John wants to paint his son's bedroom. The total area of all the walls combined is 42m^2 .

How many tins of paint will he need to fully paint the room?

- A 11 tins B 5 tins C 7 tins D 6 tins E 9 tins

45

Look at the information below. Which letter has the greatest value?

$$86 - T = 35$$

$$U + 6 = 105$$

$$70 - 2 = V + 3$$

$$8W = 48$$

$$144 \div X = 12$$

A T

B U

C V

D W

E X

46

Look at the number sequence shown below. What are the missing numbers in the sequence?

| | | | | | | | | |
|---|--------------|----|--------------|-----|--------------|-----|-----|--|
| | $\times 2+2$ | | $\times 2+2$ | | $\times 2+2$ | | | |
| 5 | 12 | 26 | 54 | 110 | 222 | 446 | 894 | |

A 5 & 110

B 2 & 100

C 8 & 88

D 6 & 108

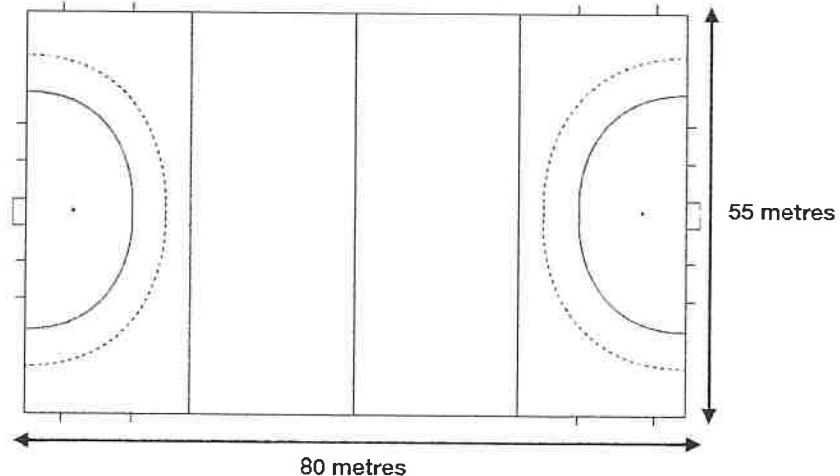
E 5 & 68

47

Bangor hockey club have just opened their brand-new hockey pitch. A blueprint of the pitch is drawn below.

What is the perimeter of their new pitch?

$$\begin{array}{r} 160 \\ 110 \\ \hline 270 \end{array}$$



A 250 m

B 440 m

C 270 m

D 245 m

E 260 m

48

In the number 3141.59, what is the value of the underlined digit?

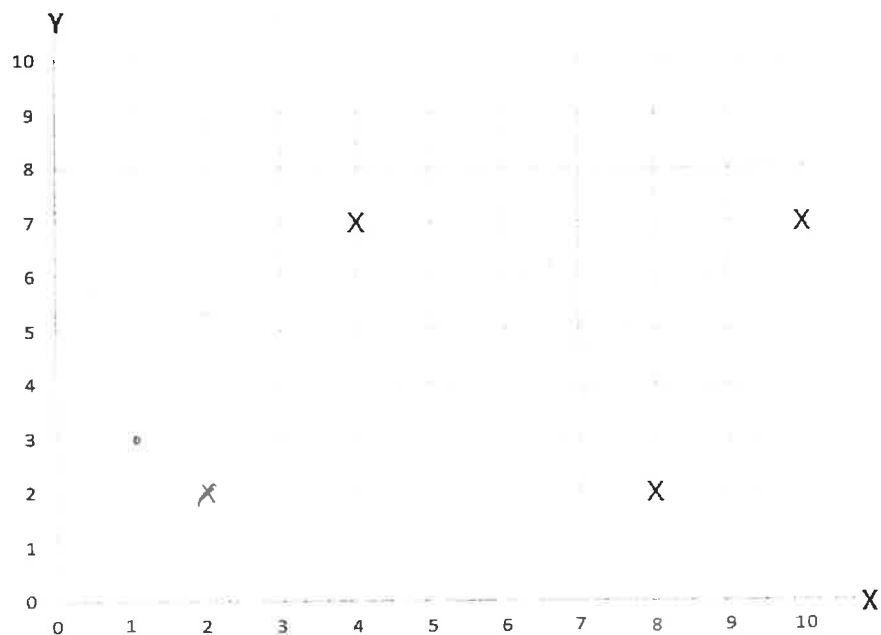
- A 9 hundreds
- B 9 tenths
- C 9 units
- D 9 thousands
- E 9 hundredths**

49

Abbie wants to create a parallelogram. She has the following coordinates:

(4,7) (10,7) (8,2)

What is the missing coordinate that Abbie needs to create a parallelogram?



- A (1,3)
- B (2, 2)**
- C (3, 3)
- D (2, 3)
- E (3, 2)

50

Using a calculator, Zoë works out the following sum:

$$110 \times 0.4 = 44$$

One of the following answers contains a sum with the same answer to 110×0.4 . Select the correct sum.

- A 11×40
- B 1.10×400
- C 1100×0.4
- D 110×4
- E 1.10×40**

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

51 Ryan drives from his house in Bangor to his friend's house in Donaghadee, which is 6.9 km away. He stays there for 2 hours and then takes the same route home. On the way home he has to make a slight detour to get something from the shop. This adds an extra 850m to his journey home.

What is the total distance in kilometres that he has travelled?

$$\begin{array}{r} 6.9 \\ \times 1.2 \\ \hline 13.8 \end{array}$$

$$\begin{array}{r} 13.800 \\ + 1.850 \\ \hline 14.650 \end{array}$$

14.65km

52 Jenny invites her friends to a pizza restaurant to celebrate her birthday. They each get to create their own pizza and choose **one** additional topping from the list below. The tally chart below shows the combined choices of everyone at the party.

| Toppings | Frequency |
|-----------|-----------|
| Pepperoni | |
| Peppers | |
| Chicken | |
| Pineapple | |
| Ham | |
| Bacon | |

How many people were at the party?

33

53 Richard has a £1632 budget to organise a family celebration.

- 20% of his budget goes to renting a venue. 326.40.
- He then spends £350 on a DJ. 350.00
- He spends a further 25% of his initial budget on food and drinks. 408

How much of his budget remains after he has paid for everything?

$$5 \overline{) 1632.40}$$

$$4 \overline{) 1632}$$

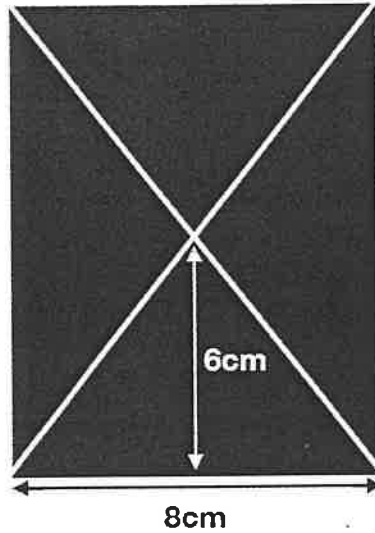
$$\begin{array}{r} 326.40 \\ 350.00 \\ + 408.00 \\ \hline 1084.40 \end{array}$$

$$\begin{array}{r} 1632.00 \\ - 1084.40 \\ \hline \underline{\underline{£547.60}} \end{array}$$

54

Below is a rectangle consisting of 4 triangles.

What is the area of the rectangle?



$$12 \times 8 = 96 \text{ cm}^2$$

12

55

The Ross family are all going on holiday to Hawaii and are allowed 23kg of luggage each. At the airport, their bags display the following weights:

- Emma 24.2 kg
- Steve 21.8 kg
- David 18.5 kg
- Amy 22.9 kg
- Evan 21.4 kg
- Lucas 19.8 kg

$$\begin{array}{r} 24.2 \\ 21.8 \\ 18.5 \\ \hline 64.5 \end{array}$$

$$\begin{array}{r} 64.1 \\ 64.5 \\ \hline 128.6 \end{array}$$

$$\begin{array}{r} 23 \\ \times 6 \\ \hline 138.0 \\ - 128.6 \\ \hline 9.4 \text{ kg} \end{array}$$

$$\begin{array}{r} 22.9 \\ 21.4 \\ 19.8 \\ \hline 64.1 \end{array}$$

Considering their combined weight, and the combined weight they are allowed to bring, how much weight do they have left? Give your answer in kg.

56

Olivia is packing her candles into a box to ship to her suppliers. A standard shipping box can hold 1 candle.

What is the total volume of the shipping box?

$$\begin{array}{r} 6 \times 6 = 36 \\ \times 6 \\ \hline 216 \text{ cm}^3 \end{array}$$

