

1

Look at the sequence below.

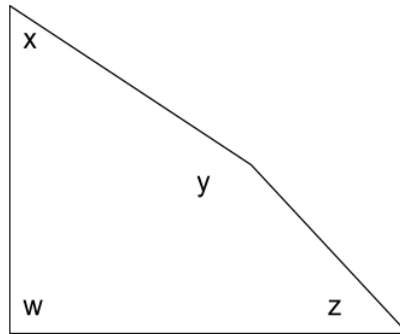
_____ 11 18 25 32 _____

What is the first and last number of the sequence?

- A** 3, 38 **B** 4, 39 **C** 11, 32 **D** 7, 35 **E** 5, 41
-

2

Look at the quadrilateral below.

**If angle w is added to angle y, what type of angle is formed?**

- A** Acute **B** right angle **C** obtuse **D** reflex **E** perpendicular
-

3

There is a child's birthday and the parents hire out a venue in Belfast for an hour for £75. They also get the lunch package for the children.

This costs £7.65 per person.

There are 11 people in total at the birthday party.

What is the total cost for the birthday?

- A** £151.50 **B** £84.15 **C** £175.00 **D** £761.50 **E** £159.15
-

4

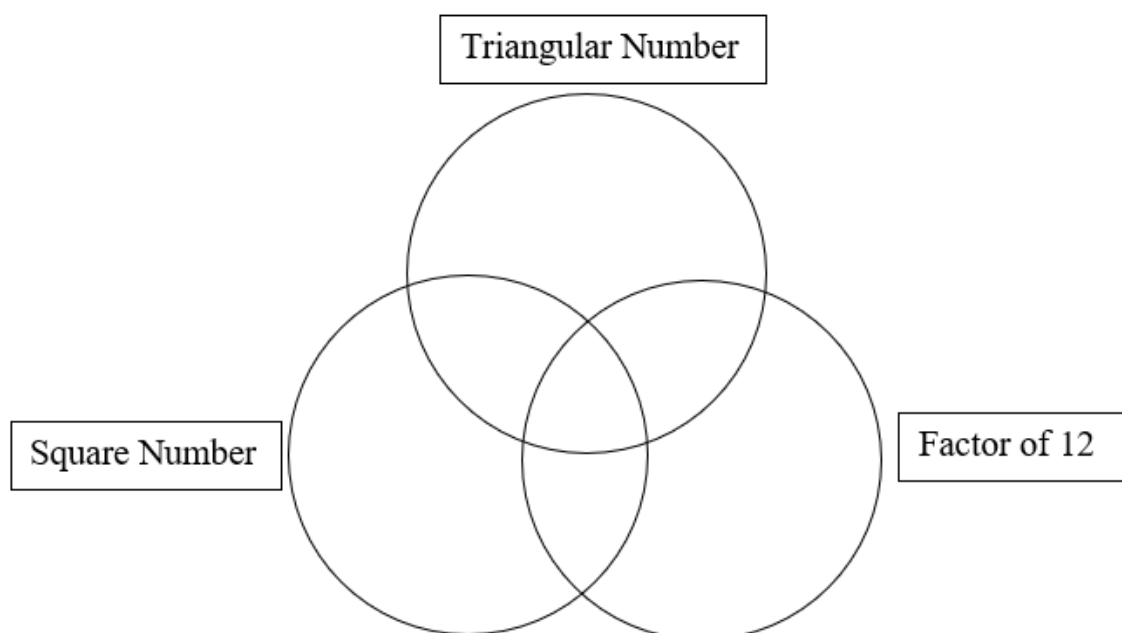
The volume of a cube is four times the volume of a pyramid.

If the cube has sides of length 6 cm, what is the volume of the pyramid?

- A 54cm^3 B 864cm^3 C 36cm^3 D 216cm^3 E 24cm^3
-

For question 5, you have to **write your answer** in the space provided in the question.

5



What number between 0 and 20 can go in the middle section of the Venn diagram above?

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

Mira's Visit

1. From the moment the airplane touched down at the Hong Kong airport, Mira knew
2. she was in for an adventure. The huge airport was full of people bustling about. The
3. people looked like they came from all over the world. Mira heard bits of conversation
4. in many different languages.

5. Mira and her parents hurried to the hotel, where they checked in and dropped off
6. their luggage. They were eager to begin exploring the city. Mira's dad brought a map
7. and a detailed plan of what sights they would see.

8. The first stop on the list was the Hong Kong Wetland Park, just outside the city. The
9. beautiful park had lots of places to walk, and Mira enjoyed sketching pictures of
10. wildlife, including a crocodile lounging beside its private pool. On the train back to
11. the city, the family marvelled at the towering skyscrapers. Next, they stopped at the
12. Science Museum, where Mira and her mom visited the World of Mirrors exhibit. After
13. a lunch of local treats from a street-food cart, the family rushed to Victoria Harbour
14. for the "Symphony of Lights." In the light show, beams of light were projected onto
15. the buildings around the harbour and reflected off the calm waters below.

16. The family returned to the hotel, ready for a good night's sleep. Mira looked forward
17. to another day of fun in Hong Kong. She was amazed to think of all they had done
18. on their first day!

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

- 1** Look at lines 1–4. What two observations made Mira realise that Hong Kong airport was busy?

- 2** Look at lines 7–11. What did Mira enjoy doing at the Wetland Park?

3 Which word in lines 8–15 means the same as admired?

4 Which one part of speech are the following as they appear in the passage?
adventure (line 2), **airport** (line 2), **luggage** (line 6), **harbour** (line 15)

5 Which part of speech is 'reflected' as it appears in the passage? (line 15)

Answers

Maths

- 1) B 4, 39
- 2) D reflex
- 3) E £159.15
- 4) A 54cm^3
- 5) 1

English

- 1) Lots of people, many languages (need both)
- 2) Sketching pictures of wildlife
- 3) marvelled
- 4) noun
- 5) verb