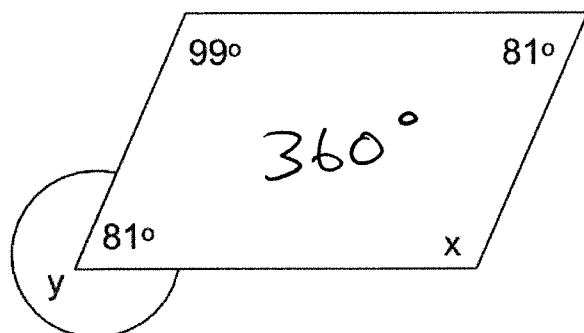


1

Look at the parallelogram below.



$$\begin{array}{r} 81 \\ 99 \\ + 181 \\ \hline 261 \\ 2360 \\ - 261 \\ \hline 099 \end{array}$$

What is the size of angle x?

- A 99°    B 81°    C 109°    D 71°    E 261°

2

Adam plays football and records goals per season:

14	1 2015=14,	<del>890</del> <del>71</del> <del>19</del>	<del>5</del> = 18	$\begin{array}{r} 18 \\ \times 5 \\ \hline 90 \end{array}$
17	2 2016=17,			
19	3 2017=19,			
+21	4 2018=21.			
<u>71</u>	5? He receives a bonus if his mean over 5 seasons (2015–2019) is at least 18 goals.			

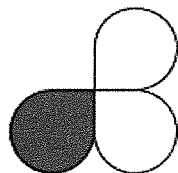
What is the minimum number of goals Adam must score in 2019 to receive his bonus?

- A 17    B 18    C 19    D 20    E 21

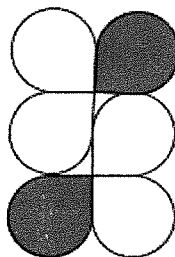
3

Look at the pattern below.

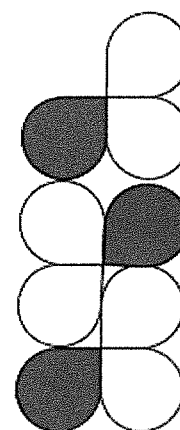
It is made up of white and grey tiles.



Pattern 1



Pattern 2



Pattern 3

How many white tiles are needed to make pattern 7?

A 12    B 14    C 16    D 10    E 18

1	2	3	4	5	6	7
2	4	6	8	10	12	14

4

What is the 4th multiple of 14 and the 6th multiple of 16 added together?

$$\begin{array}{r} 14 \\ \times 4 \\ \hline 56 \end{array}$$

A 148

B 136

C 160

D 152

$$\begin{array}{r} 16 \\ \times 6 \\ \hline 96 \end{array}$$

E 144

$$\begin{array}{r} 56 \\ + 96 \\ \hline 152 \end{array}$$

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

5

Look at the statement below. Add a number to the statement to make it correct.

9 is 30% of 30 =  $\frac{9}{30} = \frac{3}{10} = \frac{30}{100} = 30\%$ .

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

1 The laboratory was able to acommodate all of the students for the chemistry experiment on Friday afternoon.

A B C D

accommodate

2 The young athlete worked incredibly hard to acheive her goal of running the 100m in under twelve seconds.

A B C D

achieve

3 The teacher reminded the class to check their work carefully before handing in their assignments at the end of the lesson.

A B C D

N

4 It was embarrassing for the pupil when he realised he had forgotten his homework for the third time that week.

A B C D

embarrassing

5 The music teacher explained that a good sense of rythm is essential for anyone who wants to learn to play the drums.

A B C D

rhythm