

1

Look at the first four numbers of a sequence below.

1 4 16 64

What is the fifth number in the sequence?

A 128 B 320 C 84 D 256 E 1024

2

Mathew was given £150 for Christmas. He gave 20% of this money to charity. He spent $\frac{1}{3}$ of his remaining money on a new Xbox game.

How much was the Xbox game?

A £40 B £30 C £50 D £60 E £24

3

What number is exactly halfway between 123 and 695?

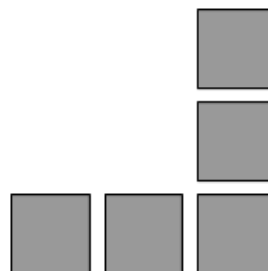
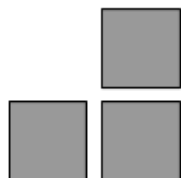
A 286 B 572 C 409 D 400 E 509

4

Look at the patterns below made up of square tiles.

The first pattern is missing.

?



Pattern 1

Pattern 2

Pattern 3

How many square tiles are in Pattern 1?

- A 1 B 2 C 7 D 10 E 3
-

For question 5, you must **tick your answer** in the space provided in the question.

5

The digits 1, 2, 3 and 4 can be arranged to make a 4-digit number. For example, the number 1234 can be made from these digits.

Using these digits, what is a number greater than 2400 but less than 2430?

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

1

The volunteers sorted the donated clothes so that

many either all several none could be checked for damage.

A

B

C

D

E

2

Tara stepped back from the canvas, unsure

how whenever despite towards since the colours would blend together.

A

B

C

D

E

3

Leo tightened his shoelaces, meanwhile afterwards unless ready before
to start the race.

A

B

C

D

E

4

Sadie held the map carefully in case beyond whereas through regardless
the wind blew it from her hands.

A

B

C

D

E

5

The music grew most loudly most loud less loudly loudly louder
as the performers stepped onto the stage.

A

B

C

D

E



Answers

Maths

- 1) D 256
- 2) A £40
- 3) C 409
- 4) A 1
- 5) 2413

English

- 1) C
- 2) A
- 3) D
- 4) A
- 5) E