

Daily 5: Day 42 Name: _____

1

Look at the first four numbers of a sequence below.

$$1 \quad \times 4 \quad 4 \quad \times 4 \quad 16 \quad \times 4 \quad 64$$

What is the fifth number in the sequence?

$$\begin{array}{r} 164 \\ \times 4 \\ \hline 256 \end{array}$$

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?

$$\begin{array}{l} 20\% \text{ of } 150 \\ \frac{2}{10} \times 150 = 30 \\ 150 \times 2 = 30 \\ \text{Charity} \end{array}$$

A £40

B £30

C £50

D £60

E £24

120 left

$$\div \frac{1}{3} \text{ of } 120 = \frac{40}{3} \text{ of } 120$$

3

What number is exactly halfway between 123 and 695?

A 286

B 572

C 409

D 400

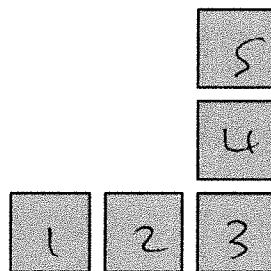
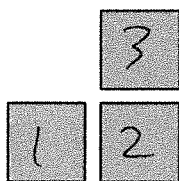
E 509

$$\begin{array}{r} 695 \\ + 123 \\ \hline 818 \\ 2 \overline{) 818} \\ \underline{409} \end{array}$$

4

Look at the patterns below made up of square tiles.
The first pattern is missing.

?



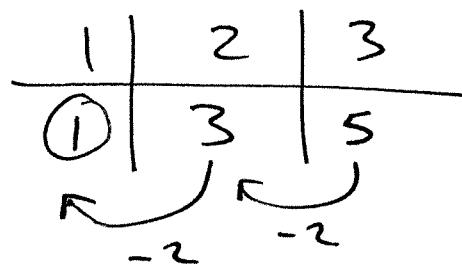
Pattern 1

Pattern 2

Pattern 3

How many square tiles are in Pattern 1?

- A 1 B 2 C 7 D 10 E 3



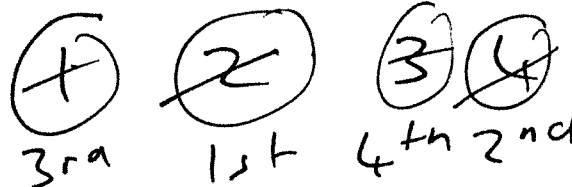
For question 5, you must **tick your answer** in the space provided in the question.

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?

2413



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
A B C D E
to start the race.
- 4 Sadie held the map carefully in case beyond whereas through regardless
A B C D E
the wind blew it from her hands.
- 5 The music grew most loudly most loud less loudly loudly louder
A B C D E
as the performers stepped onto the stage.