

## Seven-up + one\*\*/\*\*

1. The number of letters in the word FOUR is equal to its numerical value. For how many other single-digit numbers is this true?

A 0 B 1 C 2 D 3 E 4

2. Which of the following calculations gives the smallest number that is exactly divisible by 2, 3 and 4?

A  $2 \times 3$  B  $2 \times 4$  C  $3 \times 4$  D  $2 \times 3 \times 4$  E  $1 \times 2 \times 3 \times 4$

3. Which of the following calculations gives the largest answer?

A  $1 - 2 + 3 + 4$  B  $1 + 2 - 3 + 4$  C  $1 + 2 + 3 - 4$  D  $1 + 2 - 3 - 4$  E  $1 - 2 - 3 + 4$

4. Circe is threading blue and purple beads onto a necklace in the ratio 2 : 5. She uses 98 beads in total. How many more purple beads than blue were used?

5. A full box of *Brekkibix* contains 1200 grams of cereal. If each of the dimensions of the box is halved, how many grams of *Brekkibix* will the smaller full box contain?

6. I have 100 socks for my octopuses. How many octopuses can have all their tentacles in socks?

7. Molly, Dolly, Sally, Elly and Kelly are sitting on a park bench. Molly is not sitting on the far right and Dolly is not sitting on the far left. Sally is not sitting at either end. Kelly is not sitting next to Sally and Sally is not sitting next to Dolly. Elly is sitting to the right of Dolly but not necessarily next to her. Who is sitting at the far right end?

A Molly B Dolly C Sally D Kelly E Elly

8. The largest four-digit factor of 87878 is a prime number. What is that number?