

1. The sum of three hundred and sixty four and ninety seven is one more than the difference between one thousand, two hundred and eighteen and a mystery number. What is the mystery number?

2. The total of 1628, 4267 and 2080 is equal to 10 915 minus 2106 minus a mystery number. What is the mystery number? Write it in words.

**CAN YOU
GUESS THE
MYSTERY
NUMBER?**

3. A factory does a stocktake of its current stock. It has 1634 small boxes, 6749 medium boxes and 15 287 large boxes of goods. They must have a minimum of 250 small boxes, 750 medium boxes and 1000 large boxes in the factory at all times.

What is the maximum amount of stock they can sell altogether?

The following day they received an additional 525 of each box and sold 94 small boxes, 162 medium boxes and 2973 large boxes.

What are the new stock levels of each sized box and how many boxes do they have altogether?

4. Four children swam in a 50m freestyle relay. The finish times for each swimmer were: 62.35s, 57.09s, 60.34s and 59.18s.

How many minutes and seconds did it take to swim the whole relay?

What is the difference between the fastest and slowest swimmers?

5. In Miss Engabine's class there are 10 females, including the teacher and 15 males. She wants the children to sit evenly in groups. How many groups will she need if she wants the largest sized groups possible and how many children be in each group? (There must be more than 1 group.)

6. There is an odd number of children in Ms Nolan's class and she wants to sit them in groups. Ms Nolan realises the children can only sit in equally in groups of three or five. If class sizes cannot be bigger than 32 children, how many children are in the class?