

Year 3 Maths 02.02.21 - Bronze Challenge

1) Use base ten blocks to calculate the following:

- a) 374 add 4 hundreds = _____
- b) 671 subtract 3 hundreds = _____
- c) 276 subtract 200 = _____
- d) 352 add 600 = _____



2) Whitebeard Bill has 562 gold coins. He digs up 300 more.
Lookout Lenny has 365 gold coins. He digs up 400 more.
Seadog Sal has 914 coins but she loses 400 of them overboard.

- a) Who has the most coins? _____
- b) Who has the fewest coins? _____

3) Use number facts to solve these mentally:

- a) $426 + 500 =$ _____
- b) $591 + 100 =$ _____
- c) $795 + 200 =$ _____



Year 3 Maths 02.02.21 - Silver Challenge



1) Is each statement always, sometimes or never true?

- a) The tens and ones numbers will not change when you subtract a multiple of 100. _____
- b) Only the hundreds digit changes when you add a multiple of 100. _____
- c) The tens digit changes when you add a multiple of 100 to a 3-digit number. _____
- d) If you add a 3-digit number to a multiple of 100, the answer will have a 0 in the ones column. _____

2) Rahul Redbeard keeps his jewels in bags of 100. He has 531 jewels in his cabin.

a) How many bags of 100 will he need to add to make:

731 jewels? _____

831 jewels? _____

631 jewels? _____



b) Rahul wants to collect 951 jewels in total. If he had 531 jewels to start with, could he keep adding bags of 100 to get to 951? Explain how you know.

Year 3 Maths 02.02.21 - Gold Challenge



- 1) Follow these instructions to find out which number the treasure is hidden under. You can move horizontally, vertically or diagonally, one square at a time.

- Start at the number 327.
- Add 300.
- Subtract 400.
- Add 600.
- Subtract 200.

227	327	527
337	427	627
927	827	227
117	127	127



- a) The number you finish on is where the treasure is hidden. Which number is it hidden under? _____
- b) When you start at 327, which numbers on the map grid will you never be able to land on by adding and subtracting 100s?

Explain how you know:

- 2) Create a treasure map number grid with instructions for your friend to follow. Secretly, write down which number you have hidden the treasure under, and see if they can follow your instructions correctly to find it. Your instructions must involve adding or subtracting multiples of 100.

- _____
- _____
- _____
- _____
- _____

Make 200

1 2 3 4 5 6 7 8 9

Choose four of these digits.
Each one must be different.
Put one digit in each box.

This makes two 2-digit numbers reading across
and two 2-digit numbers reading down.
Add up all four of the numbers.

In this example the total is 100.

$$12 + 47 + 14 + 27 = 100$$

1	2
4	7

How many different ways of making 200 can you find?