

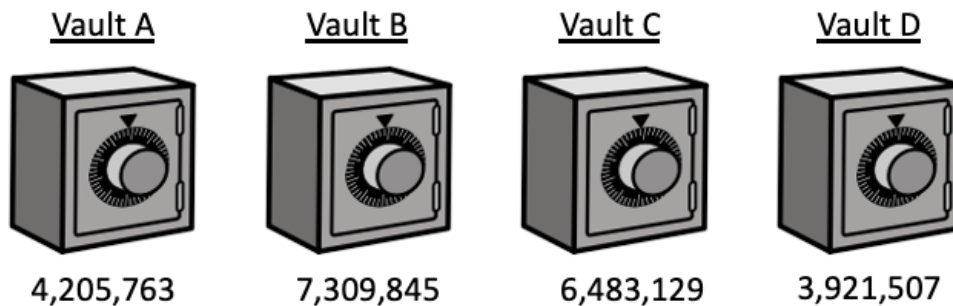
MATHS

YEAR 6

NUMBER: NUMBER AND PLACE VALUE

NC. Objective: To read, write, order and compare numbers up to 10,000,000; round whole numbers to a required degree of accuracy; use negative numbers in context and calculate intervals across 0.

1. The Royal Treasury recorded these numbers for gold coins stored in different vaults:



- a) Write the numbers in words.
- b) Arrange the numbers in ascending order.
- c) Which vault has the highest number of gold coins?

2. The population of Denmark is 5,852,473 and the population of Norway is 5,368,295.

- a) Which country has the larger population?
- b) What is the difference between the two populations?



3. The Royal Banquet Hall can seat 7,943,216 guests. Round this number:

- a) to the nearest 10.
- b) to the nearest 1,000.
- c) to the nearest 1,000,000.

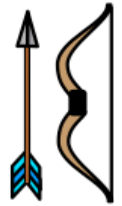


4. The castle's annual grain supply is 4,216,785kg. Round this number:

- a) to the nearest 10.
- b) to the nearest 1,000.
- c) to the nearest 1,000,000.



5. The royal armoury contains 2,739,485 arrows. The commander needs to report an estimate of this number to the king. Round this number:



- to the nearest 10.
- to the nearest 10,000.
- to the nearest 100,000.
- Which rounding would be most appropriate if the king only needs a general idea of the total? Explain your answer.

6. In the winter, the temperature outside the castle was -8°C , while inside it was 4°C .



- What is the difference in temperature between outside and inside?
- If the outside temperature drops by 5°C , what will the new temperature be?

7. The castle moat freezes at -2°C and melts at 2°C .



- What is the interval between the freezing and melting temperatures?
- If the current temperature is -5°C , how many degrees must it rise to reach melting point?

CHALLENGE

The armoury inventory lists the following items:

- 542 arrows
- 372 spears
- 168 shields

The ghost of King Hamlet told his son that there was also a secret weapon.

“To find the year the secret weapon was created, you must: 1. Round the numbers from the inventory to the nearest 100. 2. Subtract the rounded number of shields from the rounded number of spears. 3. Add this result to the original number of arrows rounded to the nearest 10.”

Give your answer in Roman numerals and numerals.