6 PLACE VALUE

1 What numbers are the arrows pointing to?

2,000 _____ 3,000

50,000 _____ 100,000
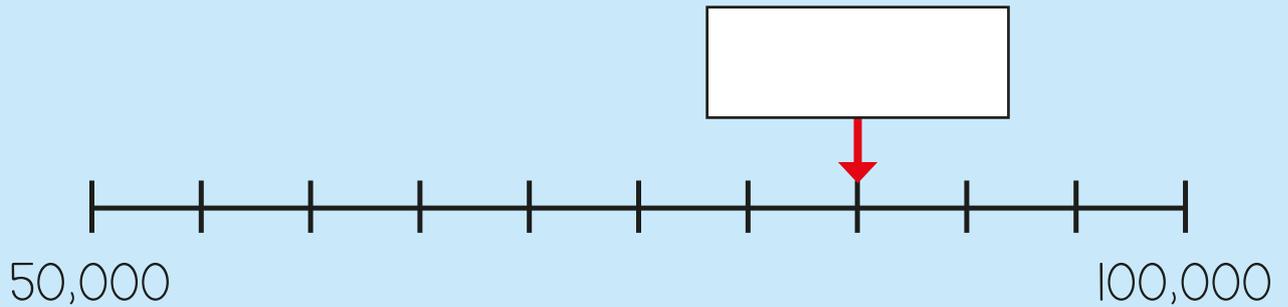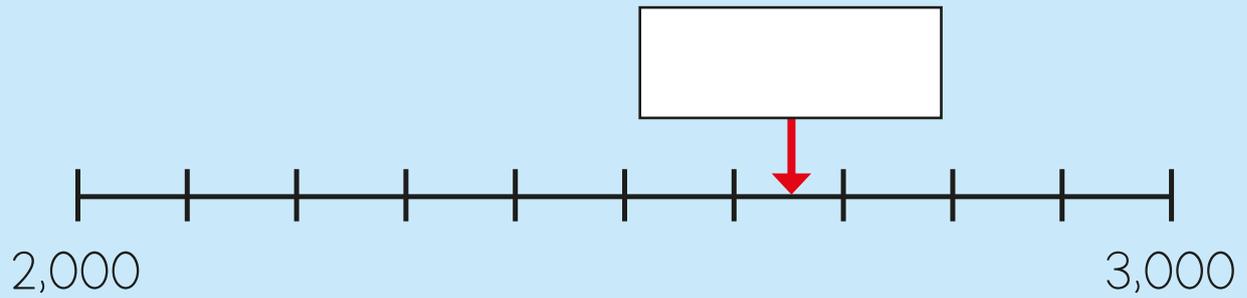
2 Here are some digit cards.

| 4 | 7 | 6 | 3 |
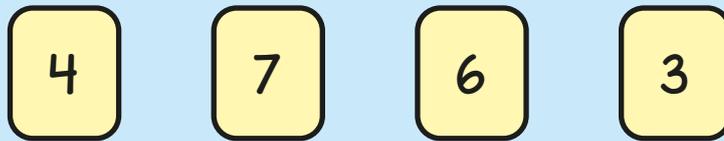
Tommy uses 3 of the cards to make a 3-digit number.

My number is the largest even number you can make with these digit cards.
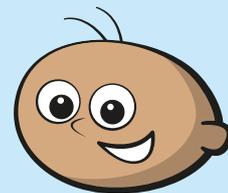
What is Tommy's number?

3 Fill in the missing numbers.

$5{,}703 = 5{,}000 + 700 + \boxed{}$

$231{,}094 = 200{,}000 + 30{,}000 + \boxed{} + 90 + 4$

$\boxed{} = 4{,}000 + 800 + 5$

4 The lengths of four rivers are shown in the table.

River	Length (km)
Mississippi	5,495
Saint Lawrence	2,938
Nile	5,831
Rio Grande	2,983

Round the length of the Mississippi to the nearest 100 km.

Round the length of the Nile to the nearest 10 km.

Put the rivers in order of their length starting with the shortest.

_____

5 The number line shows the temperature of a town at midnight and noon.

The difference between the temperatures is 10 °C.

midnight   noon

0   °C
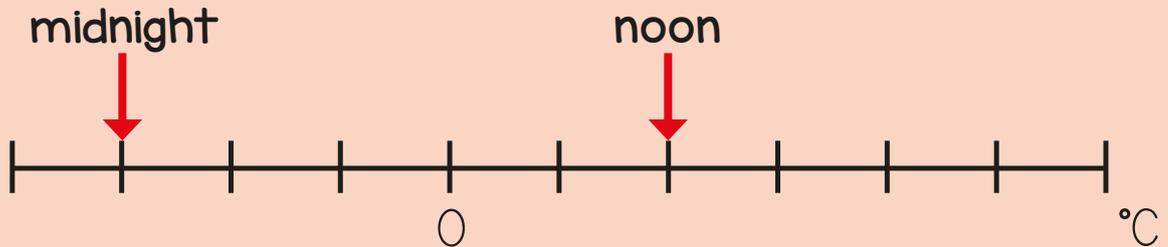
What is the temperature at midnight?

Explain your reasons.

6 Some digit cards have been placed in a statement.

[ ] [0] [2] > [6] [ ] [ ]

Use each of these cards once to make the statement correct.

[7] [6] [3]

Arrange all six cards to make a number between 635,000 and 670,000

[ ][ ][ ],[ ][ ][ ]

7 Annie marks a number on the number line.

20,000   22,000
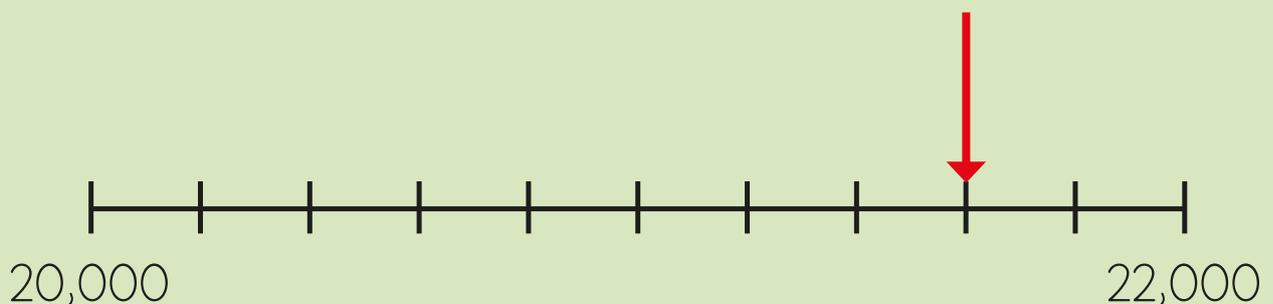
Draw an arrow to show 100 more than Annie's number.

8 Here is part of a number sequence.

The sequence increases by 50 each time.

5,200	5,250	A	B	C	D	E	F	G

Which box will have the first number greater than 5,400?

9 What is the **smallest** digit that can be used to make this statement correct?

$$25,2\underline{}8 > 25,289$$

10 Some numbers are marked on a number line.
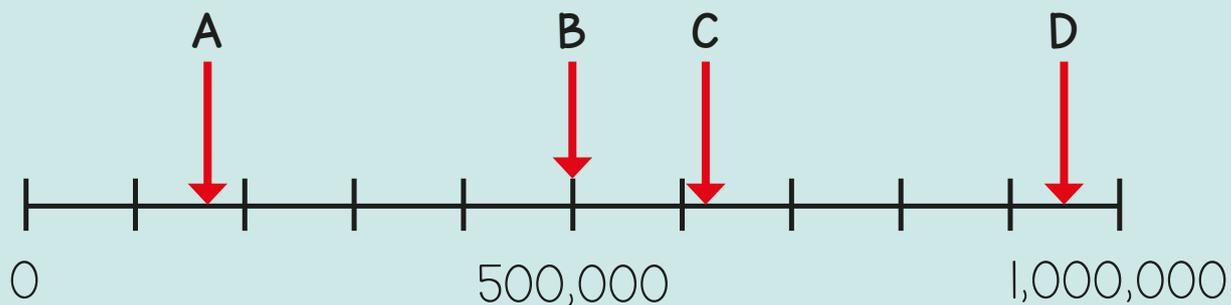
Which numbers round to 1 million to the nearest million?

_____

Which number rounds to 600,000 to the nearest thousand?

_____

11 What is 21 ones + 21 tens?

Answers

1   2,650

      85,000

2   764

3   5,703 = 5,000 + 700 + **3**

      231,094 = 200,000 + 30,000 + **1,000** + 90 + 4

      4,805 = 4,000 + 800 + 5

4   5,500 km   5830 km

      Saint Lawrence, Rio Grande, Mississippi, Nile

5   −6 °C

6   **7**02 > 6**36**   **7**02 > 6**63**

      636,027   636,072   636,207   636,270   636,702   636,720

      637,026   637,062   637,206   637,260   637,602   637,620

      663,027   663,072   663,207   663,270   663,702   663,720

7

20,000   22,000

8   D

9   25,2**9**8 > 25,289

10   B, C, D

      C

11   231