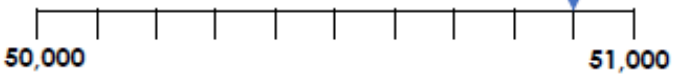
Bronze

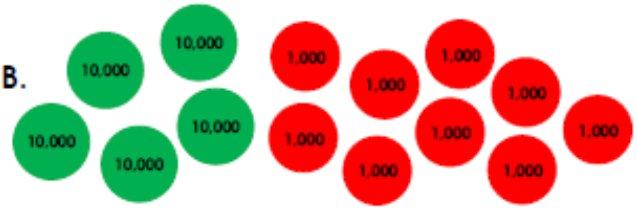
1a. Match the representation to the correct number.

59,000	50,900	50,090

A.



B.



C.

TTh	Th	H	T	O
●●●			●●●●●	

D VF

2a. Find the missing numbers in the function machines below.

55,805 →	+ 10 →	A
56,750 →	+ 100 →	B
C →	+ 1,000 →	45,275

D VF

3a. Complete the bar model.

24,505			
	4,000	500	

D VF

4a. Yasmin is counting backwards in 10s from the number represented below. Which number will she say fourth?

TTh	Th	H	T	O
●●		●	●●●	

1a. Hilda is thinking of a five-digit number.

- She adds 1 to it.
- She subtracts 10 from it.
- She subtracts 100 from it.

Her answer is:

25,805

What was her original number?

D PS

2a. Find the odd one out in the representations below.

A.

TTh	Th	H	T	O
●●	●●			●●

B.

TTh	Th	H	T	O
●●	●●	●●		

C.

D Explain how you know. R

3a. Phillipa has represented a five-digit number using this place value grid.

TTh	Th	H	T	O
●	●●	●●	●●●	

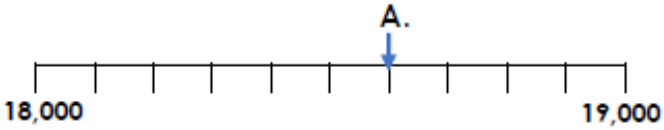
One counter is missing. Which numbers could she have been representing?

Silver

5a. Match the representation to the correct number.

10,800	17,016	18,600

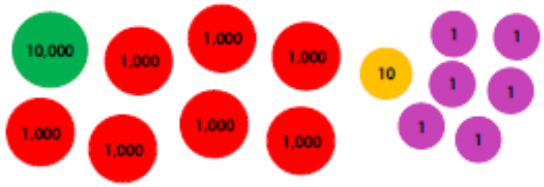
A.



B.

TTh	Th	H	T	O
●		●●●●●		

C.



VF

6a. Find the missing numbers in the function machines below.

84,976 →	+ 10 →	A
56,989 →	+ 100 →	B
C →	+ 1,000 →	45,262

VF

7a. Complete the bar model.

34,180			
30,000			80

VF

8a. Sally is counting forwards in 10s from the number represented below. Which number will she say third?

TTh	Th	H	T	O
●●●	●		●●	

4a. Sarah is thinking of a five-digit number.

- She adds 10 to it.
- She subtracts 100 from it.
- She subtracts 1 from it.

Her answer is:

34,406

What was her original number?

PS

5a. Find the odd one out in the representations below.

A.

TTh	Th	H	T	O
●●	●		●●	●●●

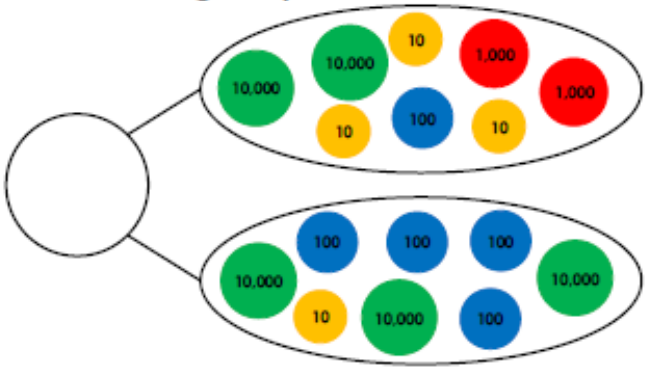
B.

C.

Explain how you know.

R

6a. Sumayah has represented a five-digit number using this part whole model.



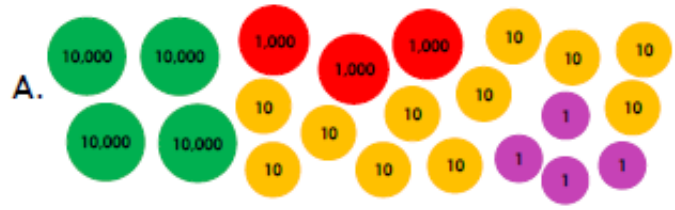
One counter is missing. Which numbers could she have been representing?

Gold

9a. Match the representation to the correct number.

44,302 | 43,114 | 44,320

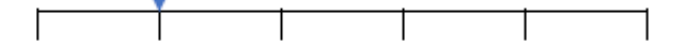
A.



B.

TTh	Th	H	T	O
●● ●	●● ●●	●●		●

C.



GD

VF

10a. Find the missing numbers in the function machines below.

A →	+ XX →	45,900
67,011 →	– 300 →	B
MMMDXI →	+ 5,000 →	C

GD

VF

11a. Complete the bar model.

34,391				
30,000				11

GD

VF

12a. Tilly is counting forwards in 10s from the number below. What will the eleventh number be?

16,190

Give your answer in words.

7a. Jasmine is thinking of a five-digit number.

- She adds XXX to it.
- She subtracts CC from it.
- She subtracts VI from it.

Her answer is:

twenty-seven thousand, two hundred and eight

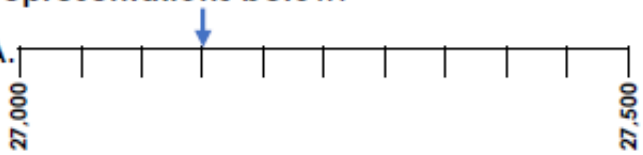
What was her original number?
Give your answer in words.

GD

PS

8a. Find the odd one out in the representations below.

A.



B.

TTh	Th	H	T	O
●	●●●		●●	●●●●

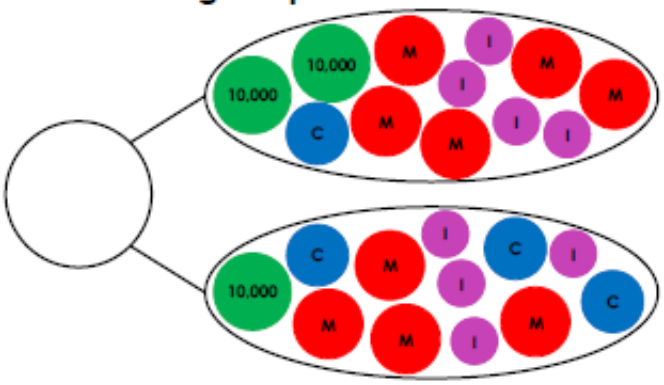
C.

GD

Explain how you know.

R

9a. Holly has represented a five-digit number using this part whole model.



One counter is missing. Which numbers could she have been representing?

Challenge

2. Tina is playing a game against Robo where they have to place digit cards to make 5-digit numbers. Explore all the possible ways Tina could win each round using the digits available for both players.

Tina

Largest even number wins

8 ☐ , 5 ☐ 2 | 4 2 1 9 6 | 8 ☐ , 8 9 ☐

Smallest odd number wins

☐ 7 , ☐ 3 ☐ | 7 5 9 3 1 | 1 9 , ☐ ☐ 9

Closest to 50,000

3 ☐ , 5 ☐ ☐ | 2 5 7 6 8 | ☐ ☐ , 5 8 1

Furthest from 45,00

2 ☐ , 7 5 1 | 9 3 4 7 2 | 6 ☐ , ☐ ☐ 9

Robo

DP