Maths Planning and Ideas

OX CLOSE PRIMARY SCHOOL
Dedicated to Excellence

Week

Monday 14. 09. 2020

Commencing: Year

Group: Year 4

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you round to the nearest 100?	LC: Can you count in 1000s?	LC:Can you represent numbers to 1000?	LC:Can you read a four digit number?	LC: Can you problem solve?
Activity	**Starter:** Times Table Rockstars	**Starter:** Times Table Rockstars	**Starter:** Times Table Rockstars	**Starter:** Times Table Rockstars	**Starter:** Times Table Rockstars
	Main: Go to the following website: https://whiterosemaths.com/ homelearning/year-4/week-1/ Find the video Round to the nearest 100 Watch the video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete activity found in resources.	**Main:** Go to the following website: https://whiterosemaths.com/ homelearning/year-4/week-2/ find the video Count in 1000s Watch the video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete activity found in resources.	**Main:** Go to the following website: https://whiterosemaths.com/ homelearning/year-4/week-2/ Find the video Represent numbers to a 1000 activity Watch the video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete activity found in the video.	**Main:** Go to the following website: https://whiterosemaths.com/ homelearning/year-4/week-2/ find the video 1000s, 100s, 10s and 1s Watch the video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete activity found in resources.	**Main:** Children used there strategies to problem solve the challenges. **Independent Task:** Children to complete activity found in resources.

1 **a)** Which multiples of 100 do the numbers sit between?
Complete the number line.

```
|----|----|----|----|----|----|----|----|----|
   210  220  230  240  250  260  270  280  290
```

b) Circle the number 270 on the number line.
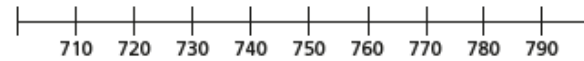
Which multiple of 100 is 270 closest to? ☐

270 rounded to the nearest 100 is ☐

c) Circle the number 230 on the number line.

Which multiple of 100 is 230 closest to? ☐

230 rounded to the nearest 100 is ☐

2 **a)** Which multiples of 100 do the numbers sit between?
Complete the number line.

```
|----|----|----|----|----|----|----|----|----|
   710  720  730  740  750  760  770  780  790
```

b) Draw an arrow and label 713 on the number line.

c) Which multiple of 100 is 713 closest to? ☐

713 rounded to the nearest 100 is ☐

d) Round each number to the nearest 100

725 ☐   701 ☐   749 ☐

779 ☐   751 ☐   750 ☐

3 Round each number to the nearest 100

a) 401 ☐   d) 190 ☐   g) 250 ☐

b) 789 ☐   e) 89 ☐   h) 44 ☐

c) 330 ☐   f) 708 ☐   i) 99 ☐

4 Round each number to the nearest 100

a) 100 100 10 1 1 1 ☐

b) 712 ☐

c)

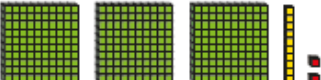| H	T	O
●● ●● ●		●● ●● ● ●

☐

d) XXIX ☐

e) ☐

f) CXVIII ☐

5 Circle the numbers that round to 300 to the nearest 100

359   279   271   341   350   250

6 Circle the numbers that round to 200 to the nearest 100

150   207   196   249   250   190

7 Complete the table.

Number	624	371	289	750	38
Rounded to the nearest 10					
Rounded to the nearest 100					

8 There are 400 children in a school, to the nearest 100

What is the least number of children in the school? ☐

What is the greatest number of children in the school? ☐

9 Annie is thinking of a number.

My number rounds to 300 to the nearest 10 and to the nearest 100

What number could Annie be thinking of? ☐

Is this the only answer? Talk about it with a partner.

White Rose Maths

1 How many sweets are there?

Write your answer in numerals and words.

There are ☐ sweets.

There are _____ sweets.

2 Class 4B are collecting pennies in jars.

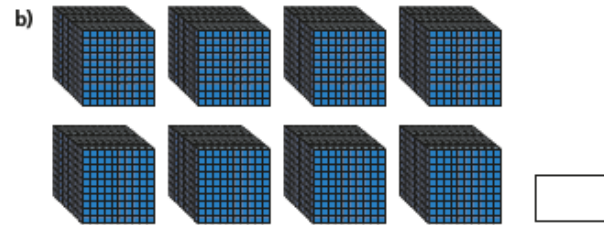Each jar contains 1,000 pennies.

How many pennies are there in total?
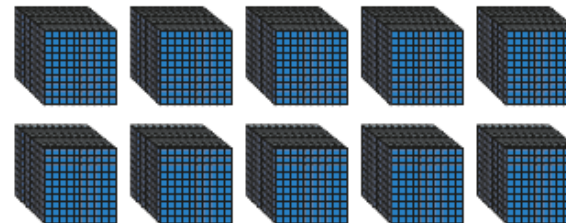
Write your answer in numerals and words.

There are ☐ pennies.

There are _____ pennies.

3 What numbers are represented?

a)

☐

b)

☐

4 Circle 9,000

5 Complete the number tracks.

2,000	3,000			6,000		

9,000		7,000		5,000	

6 Eva starts from zero and counts up in 1,000s.

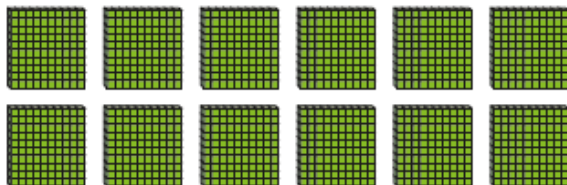Circle all the numbers that she says.

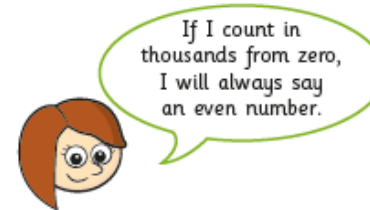| 5,000 | 6,000 | 1,500 | 3,999 |
| 1,000 | 10,000 | 15,000 | 700 |

7 How many thousands are represented?
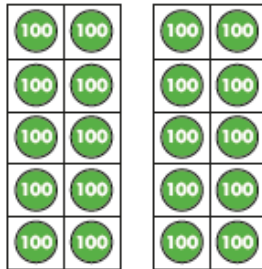
Explain how you know.

_____

_____

8 Circle 1,000

9

If I count in thousands from zero, I will always say an even number.

Is Rosie correct?

How do you know?

_____

_____

_____

10 Dexter and Amir collect stickers.

Each sticker is worth 1,000 points.

a) Dexter collects 9 stickers.

How many points does he have?

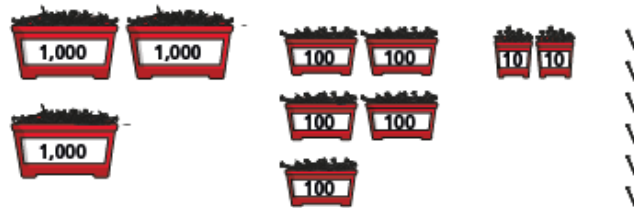b) Amir has 4 more stickers than Dexter.

How many points does Amir have?

1 How many nails are there?

1,000	1,000		100	100		10	10
1,000		100	100
	100

There are [ ] nails.

2 What numbers are represented?

a)

[ ]
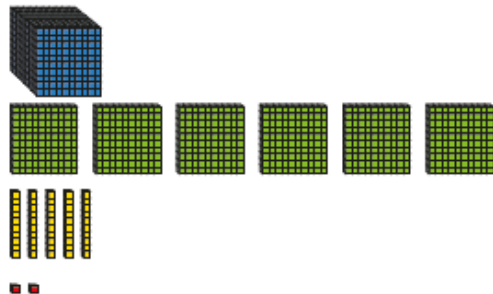
b)

Th	H	T	O

[ ]

3 Mo is trying to make the number 3,250

He represents it on a place value chart.

Th	H	T	O

Is Mo correct?

How do you know?

_____

_____

4 Use base 10 or place value counters to make these numbers.

a) 2,391   b) 1,050   c) 3,303

5 What number is represented?

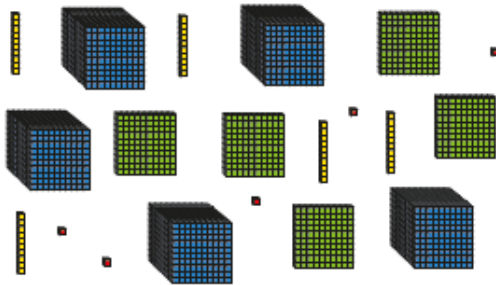| Th	H	T	O
1,000 1,000	100 100 100	10 10 10 10 10 10 10	1 1 1 1 1

Write your answer in numerals. [ ]

Write your answer in words.

_____

6 Circle the base 10 or counters to show each number.

a) 2,053

b) 5,124

7 Write the value of the digit in bold.

a) **7**,120 _____

b) 3,**9**15 _____

c) 2,00**4** _____

d) 6**7**1 _____

e) 5,9**1**8 _____

8 Write a 4-digit number with 7 tens. [ ]

Write a 3-digit number with 7 tens. [ ]

Write a 2-digit number with 7 tens. [ ]

9 Here are some clues to a 4-digit number.

• There are 6 hundreds.

• There are more tens than ones.

• The sum of the digits is 12

What could the number be? How many possible numbers can you find?

_____

_____

REASONING 1

Which numbers could go in the boxes?

260 ———— [ ] ———— [ ] ———— 270

Explain why!

REASONING 2

A number is rounded to the nearest 10 and the answer is 30.
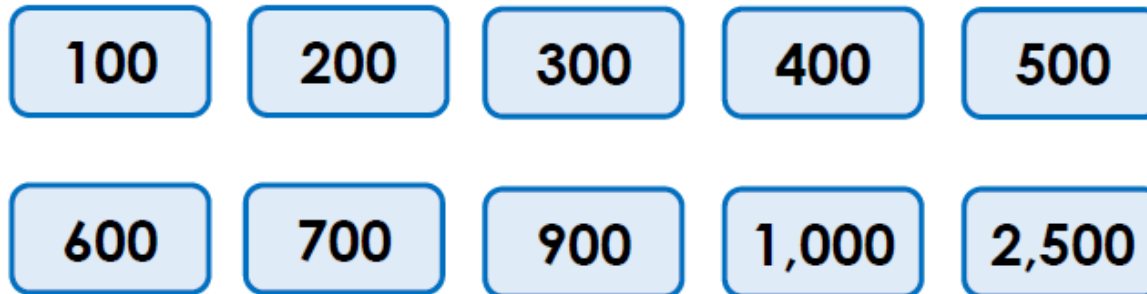
There are 5 possible answers:
30, 31, 32, 33 and 34.

Do you agree with Marlon?

REASONING TASKS

PROBLEM SOLVING 1

Using these 4 digit cards, make numbers that round to these multiples of 100!

| 2 | 4 | 6 | 9 |

| 100 | 200 | 300 | 400 | 500 |

| 600 | 700 | 900 | 1,000 | 2,500 |

Find all possibilities.

PROBLEM SOLVING TASKS

REASONING 1

Always, Sometimes or Never?

When counting in 1,000s, 6,000 comes after 5,000.

Explain your reasoning.

REASONING 2

Asha says…

If you count from zero in thousands, you will never say an odd number
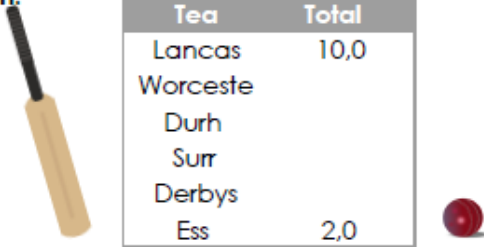
Prove why she is correct.

PROBLEM SOLVING 1

The table below shows the number of runs 6 teams scored in a single cricket league season. Each team had a different number of total runs and were ranked in order of points.

Worcester scored an odd number of thousand runs.

Derbyshire scored 1 thousand more runs than Essex.

In the table, there is a sequence of three consecutive thousand numbers.

Tea	Total
Lancas	10,0
Worceste	
Durh	
Surr	
Derbys	
Ess	2,0
ex	00

Can you work out how many runs each team scored? Are there multiple possibilities?

PROBLEM SOLVING TASKS

Team	Total runs
Lancashire	10,000
Worcestershire	
Durham	
Surrey	
Derbyshire	
Essex	2,000

Can you work out how many runs each team scored?

Are there multiple possibilities?