Maths Planning and Ideas

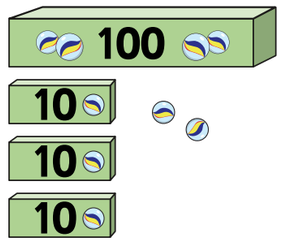
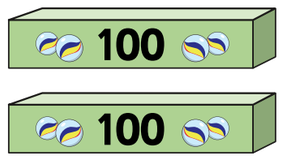
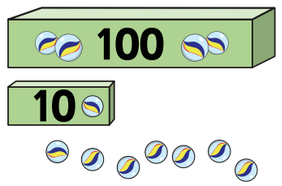
Week Commencing: Monday 28. 09. 2020

Year Group: Year 3

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you order numbers?	LC:Can you count in 50s?	LC: Can you add and subtract multiples of 100?	LC: Can you add and subtract 1s?	LC: Can you problem solve?
Activity	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/homelearning/year-3/week-3/ Find and watch **Ordering numbers** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/homelearning/year-3/week-3/ Find and watch **count in 50s** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/homelearning/year-3/week-4/ Find and watch **Add and subtract multiples of 100** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/homelearning/year-3/week-4/ Find and watch **Compare numbers** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources.	**Starter:** Times Table Rockstars **Main:** Today the children will apply the skills they have learnt this week to reason and problem solve questions. **Independent Task:** Children to complete worksheet found in resources.

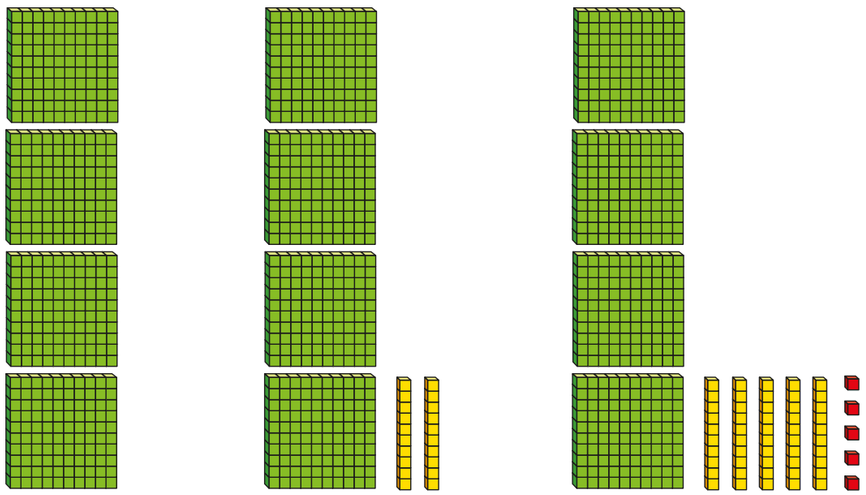
28. 09.2020
LC: Can you order numbers?

1 Who has the greatest number of marbles?

Mo	Tommy	Dora
		

_____ has the greatest number of marbles.

2 Which is the smallest number: A, B or C? Circle your answer.



A B C

3 Circle the greatest number in each list.

a) 250 400 130 290

b) 315 390 326 305

c) 718 712 710 719 716

d) 435 348 438 84

4 Write each list of numbers in order.
Start with the smallest number.

a) 412 718 429 405

_____

b) 73 99 200 620

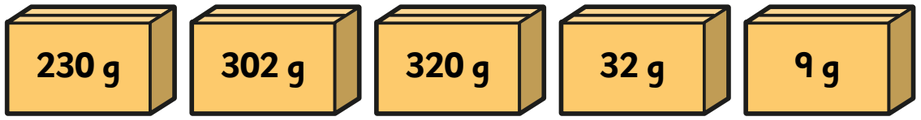
_____

c) 1,000 595 509 95

_____

5 Write two numbers that are greater than 644 and less than 652

6 **a)** Write the weights of the boxes in order.
Start with the lightest box.



_____

b) These are the heights of the people in one family.

John	Gemma	Brett	Kim	Dani
185 cm	126 cm	175 cm	53 cm	170 cm

Who is the 3rd tallest person?

The 3rd tallest person is _____.

7 Here are the prices of 4 bikes.

Write the prices in order. Start with the most expensive bike.

_____

8 **a)** These numbers are in order. One digit is missing from each number.

4 _ 5 46 _ _ 58

smallest greatest

What could the missing digits be?

_____

_____

b) These numbers are in order. One digit is missing from each number.

4 _ 5 46 _ _ 58

greatest smallest

What could the missing digits be?

_____

_____

9 Each number has the same digit missing.

_56 < 7_3 < 75_

What could the missing digits be?

Find as many different answers as you can.

_____

_____

29. 09. 2020
LC: Can you count in 50s?

1 How many cards does each person have?

Filip	Eva	Mo	Aisha
			

Teddy has 8 packs of cards.

How many cards does Teddy have?

Teddy has ☐ cards.

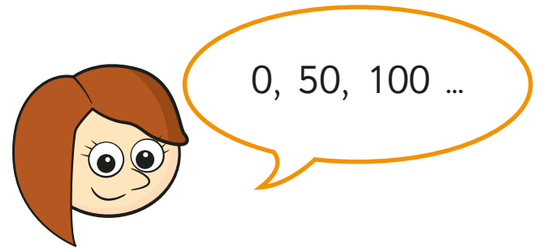
2 Complete the number tracks.

200	250	300					550

650		750	800				

	600	550		450			300

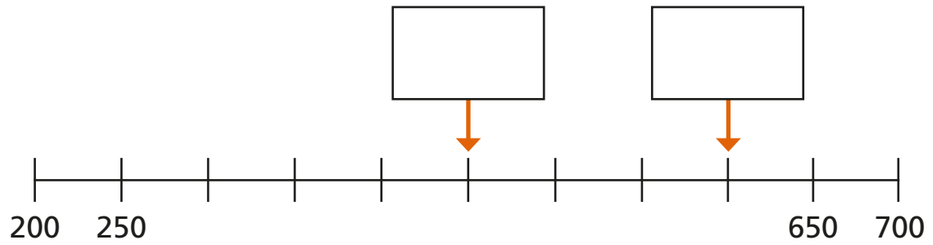
3 Rosie is counting up in 50s from 0 to 1,000



Circle all the numbers that Rosie will say.

505 **750** **75** **350** **240** **800** **950**

4 What numbers are the arrows pointing to? Label the arrows.



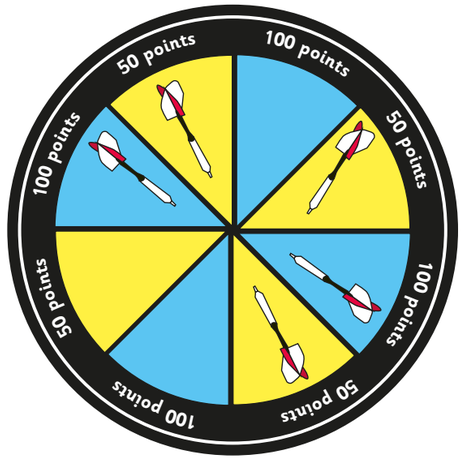
5 Is this true or false?

These scales will balance.

How do you know?

6 Whitney and Dexter are playing darts.

a) Whitney throws 5 darts.



How many points has Whitney scored?

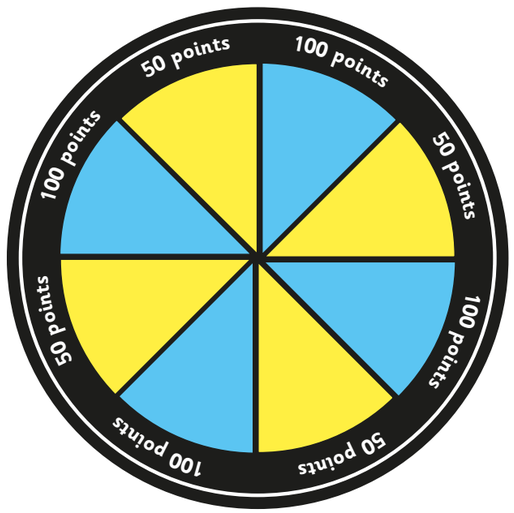
Whitney has scored ☐ points.

How did you work this out? Talk about it with a partner.

b) Dexter scores 450 points with 5 darts.

Where could his darts have landed?

Draw your answer on the dartboard.



c)

I don't think it is possible to score 450 with 6 darts.

Is Dexter correct?

Explain how you know.

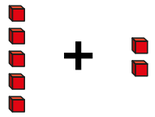
7 How much money is there?

☐

1., .7, 0.0.
JA8 A_l wms _dd and subtract multiples of 100=

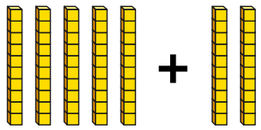
1 Complete the sentences.

a)



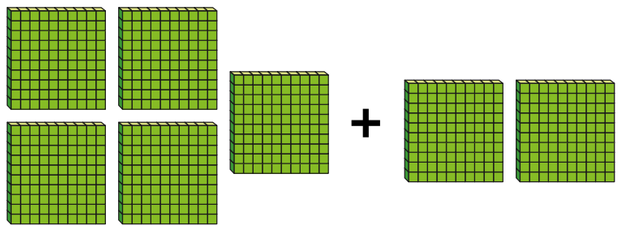
5 ones + 2 ones = ☐ ones

b)



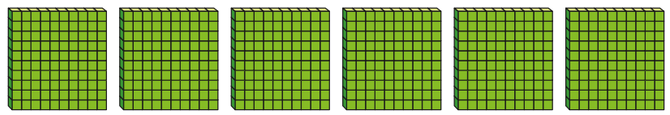
5 tens + 2 tens = ☐ tens

c)



5 hundreds + 2 hundreds = ☐ hundreds

2 Work out 600 – 400



600 – 400 = ☐

3 Complete the additions.

a) 3 + 1 = ☐

30 + 10 = ☐

300 + 100 = ☐

b) 400 + 200 = ☐

400 + 300 = ☐

400 + 400 = ☐

400 + 500 = ☐

400 + 600 = ☐

4 Complete the subtractions.

a) 9 – 2 = ☐

90 – 20 = ☐

900 – 200 = ☐

b) 600 – 400 = ☐

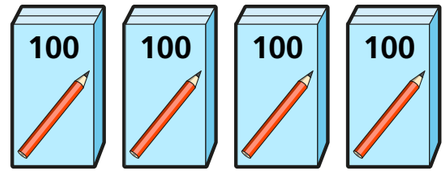
600 – 300 = ☐

600 – 200 = ☐

600 – 100 = ☐

600 – 0 = ☐

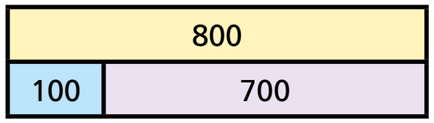
5 Kim has 400 pencils.



She buys 5 more boxes of pencils.

How many pencils does she have now? ☐

6 Use the diagram to write 4 calculations.



100 + ☐ = ☐

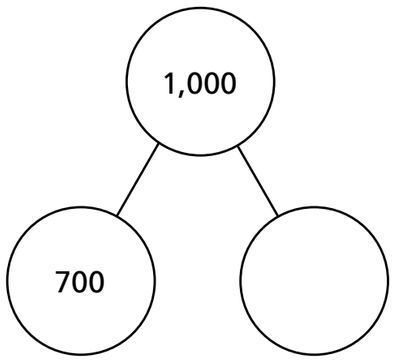
☐ + ☐ = ☐

☐ − ☐ = ☐

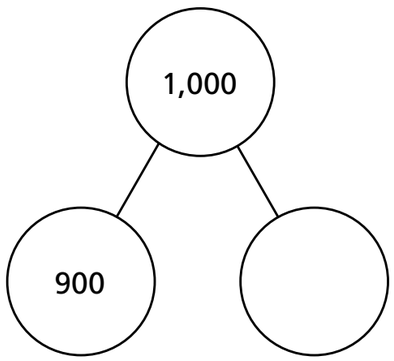
☐ − ☐ = ☐

7 Complete the part-whole models.

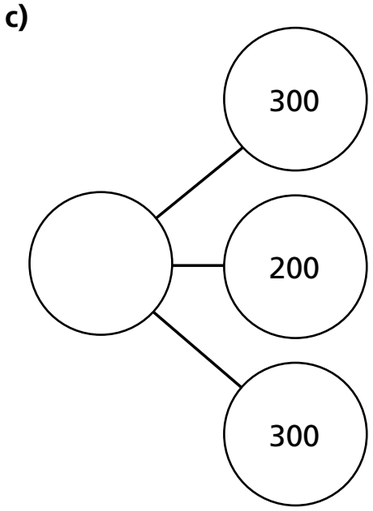
a)



b)



c)



8 Complete the number sentences.

a) 200 + 300 = ☐

b) 800 − 100 = ☐

c) 300 + ☐ = 700

d) 500 + ☐ = 700

e) ☐ − 200 = 300

f) 900 = ☐ + 300

g) 200 + 200 + 300 = ☐

h) 600 = 100 + 200 + ☐

i) 700 − 200 + 300 = ☐

j) 500 − ☐ = 0

9 There are 400 girls in a school.

There are 100 more boys than girls.

How many boys and girls are there in the school in total?

☐

10 The answer is 700

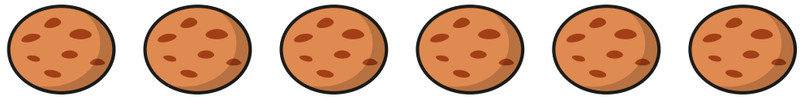
How many questions can you think of that add hundreds or subtract hundreds to make 700?

How do you know you have found them all?

01. 10. 2020

LC: Can you add and subtract 1s?

1 **a)** Jack has 6 cookies.

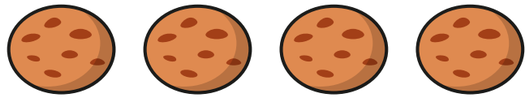


Annie gives him one more cookie.

How many cookies does he have now?

Jack has ☐ cookies now.

b) Amir has 4 cookies.



He eats one of his cookies.

How many cookies does he have now?

Amir has ☐ cookies now.

2 Complete the number tracks.

a)

21		23					

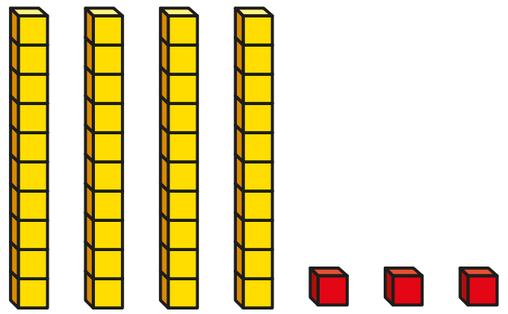
b)

47		45					

c)

				5					10

3 **a)** Filip has made a number using base 10



What number has Filip made? ☐

b) Rosie also makes a number using base 10

Rosie's number is one more than Filip's number.

What is Rosie's number? ☐

c) Ron's number is 2 more than Filip's number.

What is Ron's number? ☐

d) Dora's number is 1 less than Filip's number.

What is Dora's number? ☐

4 Complete the calculations.

a) 14 + 1 = ☐

b) 22 + 1 = ☐

c) 54 + 1 = ☐

d) ☐ = 1 + 61

e) 19 – 1 = ☐

f) 33 + ☐ = 34

g) 18 = 19 – ☐

h) ☐ = 89 – 1

5 Complete the calculations.

a) 14 + 2 = ☐

b) 22 + 3 = ☐

c) 54 + 4 = ☐

d) ☐ = 5 + 61

e) 19 – 2 = ☐

f) 33 + ☐ = 35

g) 12 = 19 – ☐

h) ☐ = 89 – 3

6 Are the number sentences true or false?

a) 17 + 1 = 1 + 17 _____

b) 17 – 1 = 1 – 17 _____

Talk about your answers with a partner.

Where can I complete further work?

Twinkl – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

White Rose Maths – Free Maths home learning resources for all ages. Watch the videos and try the questions.

Primary Stars – Free Maths home learning packs for Year 1 and 2.

BBC Bitesize Primary – Free learning resources available for KS1 and KS2 across all subjects.

I See Maths – Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

Top Marks – Free educational resources and games for English and Maths.

ICT Games – Free educational resources and games for English and Maths.

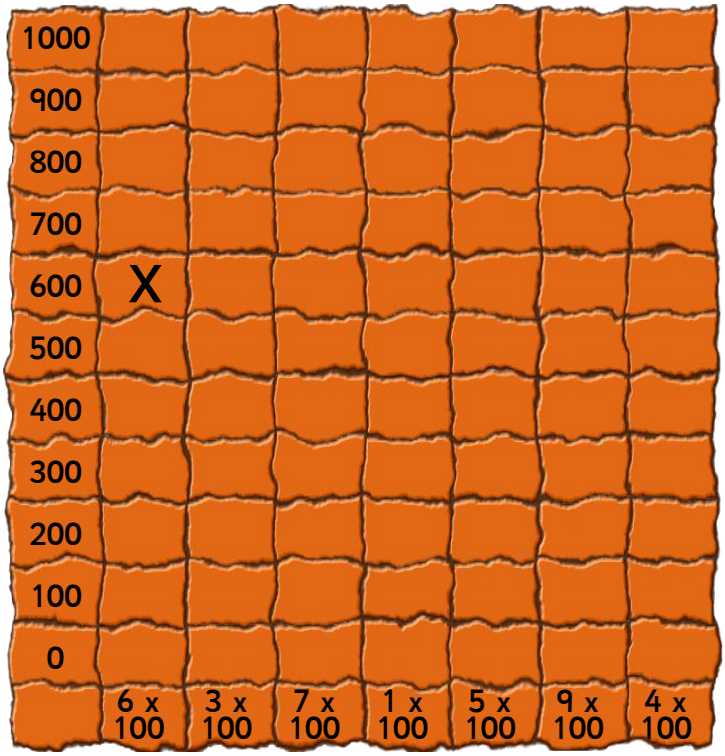
Year 3 Friday challenge
Escape From Theta

Rocano rubbed his head. He was locked in a cell! He found the secret pouch in his belt. Princess Ota had given him notes to help him escape. He read the first one.

Rocano, look at the wall! You will see numbers scratched into it. Solve the clues along the bottom! When you have an answer to a clue, look up that column of bricks and cross off the brick which is at the same height as the number of your answer. When they are all crossed off, push the bricks and a secret door will open!

Princess Ota.

1. Solve the clues and cross off the correct bricks! Princess Ota has done the first one to help.



Escape From Theta – A Way Out

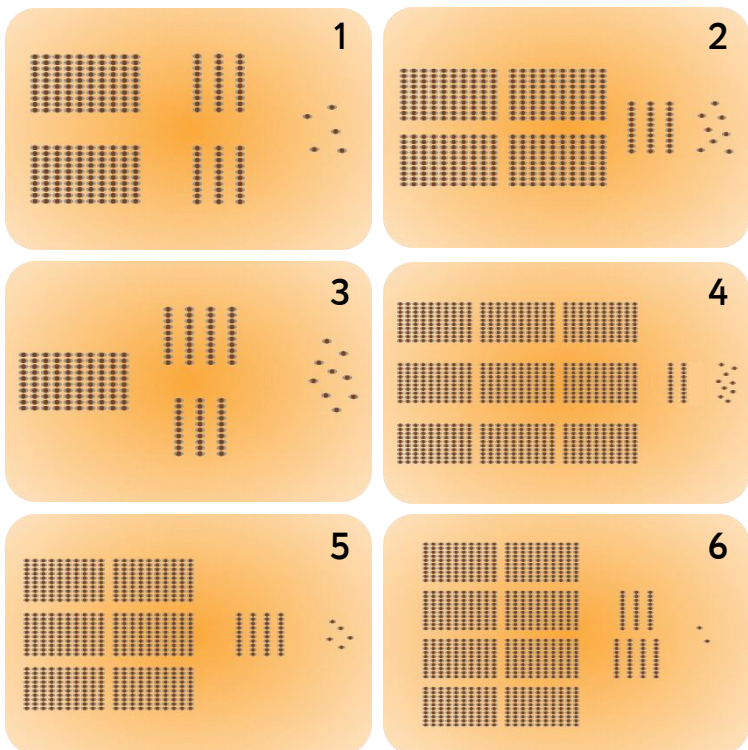
Rocano pushed the bricks. There was a creak, a rumble, and the secret door slid open! Outside the cell were 6 stairways he could go down. Which should he choose?

Rocano, look out of the windows! You'll be able to see Thetan soldiers lined up in 100s, 10s and 1s. I've written down how many you should be able to see through each window. If the numbers don't match, that means some soldiers are guarding that stairway! Only go down the stairs where the number of soldiers matches the number I have written!

Window 1: 285; Window 2: 840;
Window 3: 189; Window 4: 932;
Window 5: 645; Window 6: 882

Princess Ota.

2. Which view matches the letter?



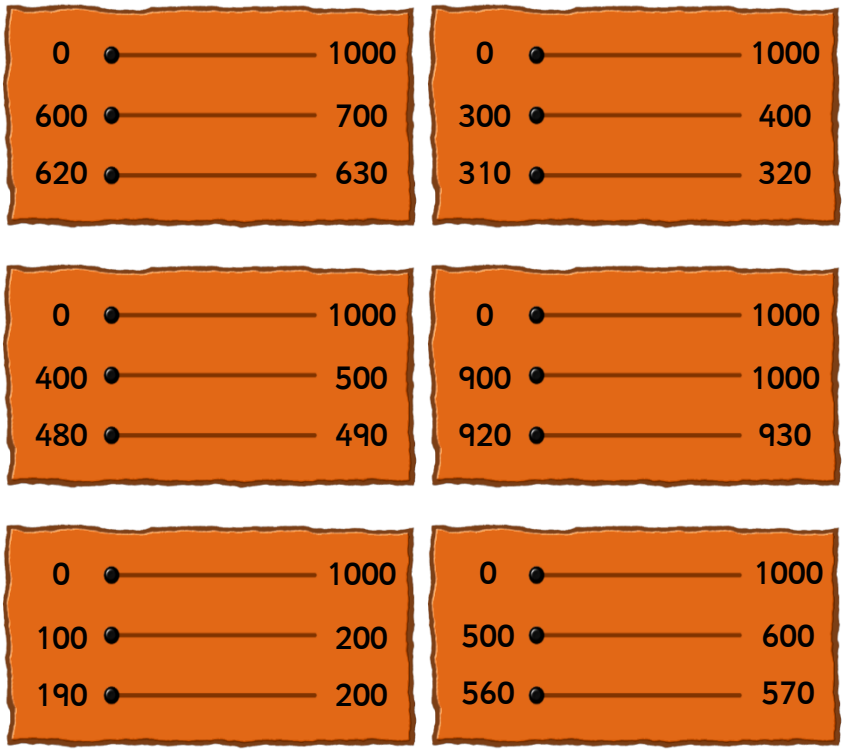
Reasoning and Problem Solving – Place Value Consolidation – Year 3

Rocano dashed down the empty staircase. As he reached the bottom, he stopped. His escape was blocked again. Six locks held a huge door shut. How could he open them?

Rocano, to open the locks you must slide the black pegs into the correct places on the number lines. The number for each lock is below. Remember to look at the scale of each line! The number will be in a different place on each line!

625	317
489	927
193	564

Princess Ota.



3. Look at the number for each lock. Mark that number with a circle in the correct place on each of the three number lines.

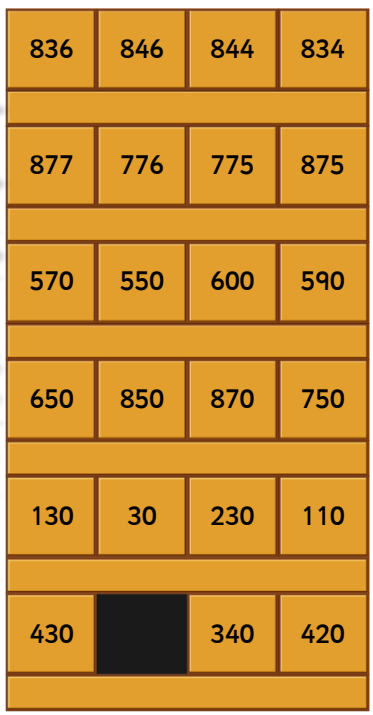
Escape From Theta – Tread Carefully

Rocano burst through the door and into the next room. As his foot stepped down onto the tiled floor, it disappeared! The tile he had trodden on broke apart and fell out of sight into a deep pit. Rocano caught himself on the edge and pulled himself up. Phew! How could he get past this?

Rocano, watch your step! To get across the room safely, work out the answers to the clues below one by one and only tread on the tiles with the right numbers on them. There are wider tiles to wait on while you work out your next move.

Step 1: 10 less than the number = 100 less than 430.
Step 2: 100 less than the number = 10 more than 120.
Step 3: 100 less than the number = 100 more than 650.
Step 4: 10 more than the number = 10 less than 590.
Step 5: 1 less than the number = 100 less than 874.
Step 6: 10 less than the number = 1 less than 825.

Princess Ota.

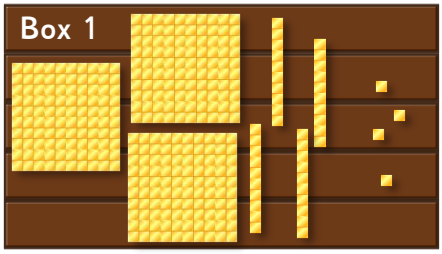


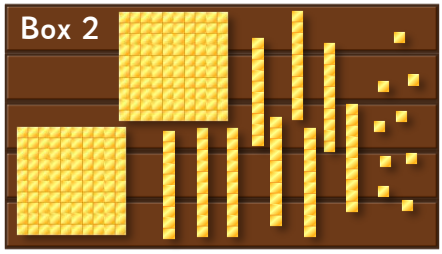
4. Circle the correct tile for each step to show the safe way across the falling floor!

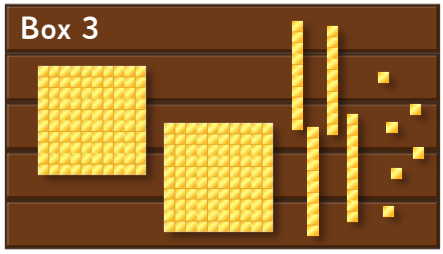
Start here and head upwards →

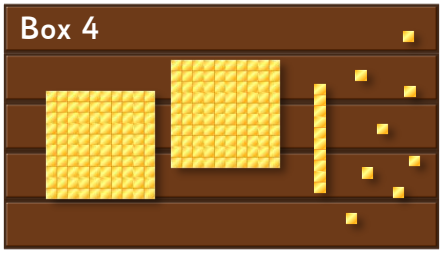
Reasoning and Problem Solving – Place Value Consolidation – Year 3

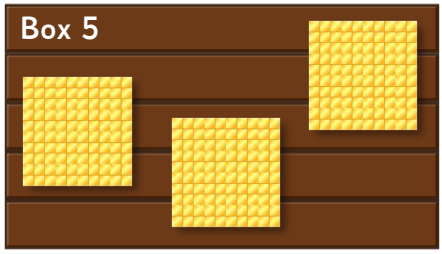
Rocano stepped off the final tile and was about to run to the gate when something shiny caught his eye. It was Thetan gold! Thetan gold comes in blocks of 100 pieces, 10 pieces or 1 piece. There were 6 boxes of gold, but Rocano could only carry 3 boxes away with him. He had to make sure he got as much gold as possible!

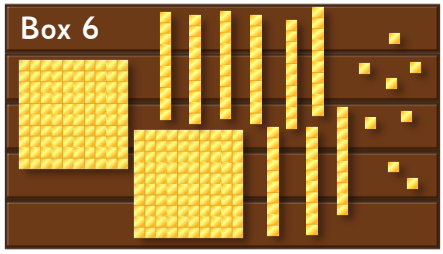












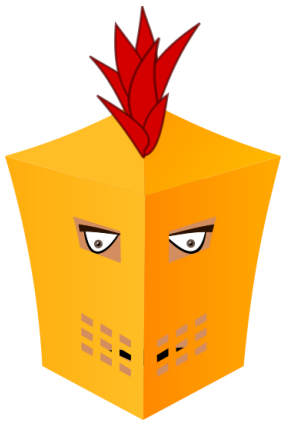
5a. Put the boxes in order from most gold to least gold.
5b. Which three boxes should Rocano take?

Escape From Theta – Passwords Please

After hiding the gold, Rocano walked towards the gate. He was nearly free; just a few more steps...
"Stop right there!" A Thetan soldier in a gold helmet appeared and pointed his spear at Rocano.
"Anyone leaving Theta must say 'always', 'sometimes', or 'never' to six sentences! If you get any wrong, this gate stays shut!"
Write 'Always', 'Sometimes' or 'Never' under each question and help Rocano escape!

6a. When you count in 50s, the numbers are odd.

6b. Multiples of 50 are also multiples of 100.



6c. Multiples of 50 are also multiples of 25.

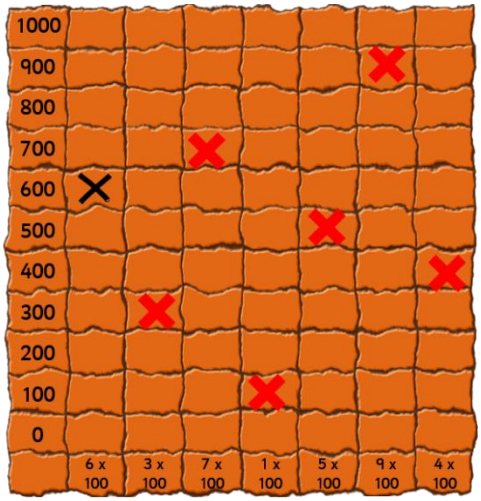
6d. The ones column changes when you count in 50s.

6e. A multiple of 50 is a multiple of 5 multiplied by 10.

6f. When you count in 50s, the numbers have only 2 digits.

Reasoning and Problem Solving – Place Value Consolidation – Year 3

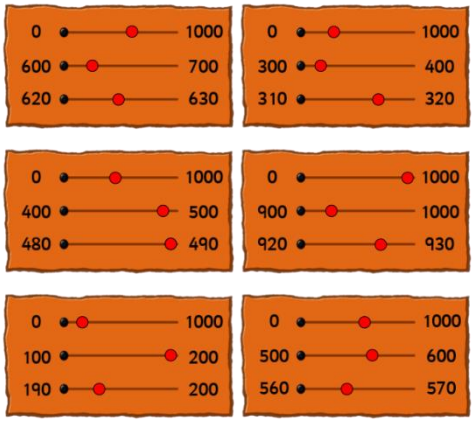
1. Solve the clues and cross off the correct bricks! Princess Ota has done the first one to help!



2. Which view matches the letter? View 5.

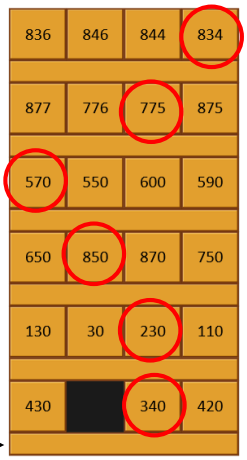
3. Look at the number for each lock. Mark that number with a circle in the correct place on each of the three number lines.

625	317
489	927
193	564



Answers can be approximate as long as they are on the correct half of each number line.

4. Circle the correct tile for each step to show the safe way across the falling floor!



Start here and head upwards →

5a. Put the boxes in order from most gold to least gold. Box 1 (344), Box 5 (300), Box 2 (299), Box 6 (298), Box 3 (246), Box 4 (218).

5b. Which three boxes should Rocano take? Box 1, Box 5 and Box 2.

6a. Never

6b. Sometimes

6c. Always

6d. Never

6e. Always

6f. Sometimes