

PLACE VALUE

L.O: I can understand the place value of a digit

12, 16, _____, 24, 28, _____, _____, 40

What are the missing numbers?

How could you work out how to fill in the blanks?

L.O: I can understand the place value of a digit

12, 16, 20, 24, 28, 32, 36, 40

L.O: I can understand the place value of a digit

37 is 10 more than _____

481 is 100 less than _____

571 is 100 more than _____

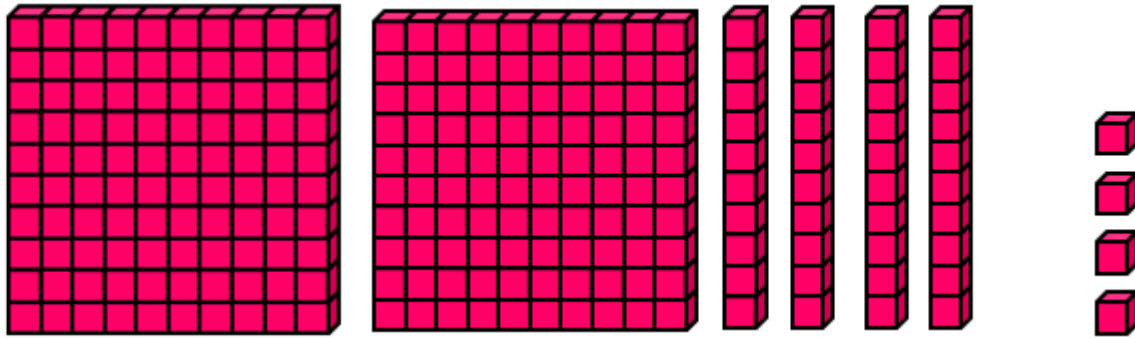
L.O: I can understand the place value of a digit

37 is 10 more than 27

481 is 100 less than 581

571 is 100 more than 471

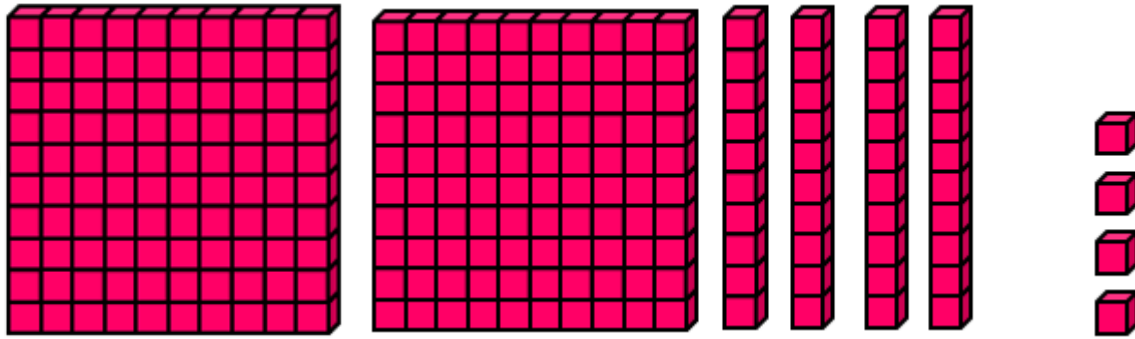
L.O: I can understand the place value of a digit



What number is represented here?

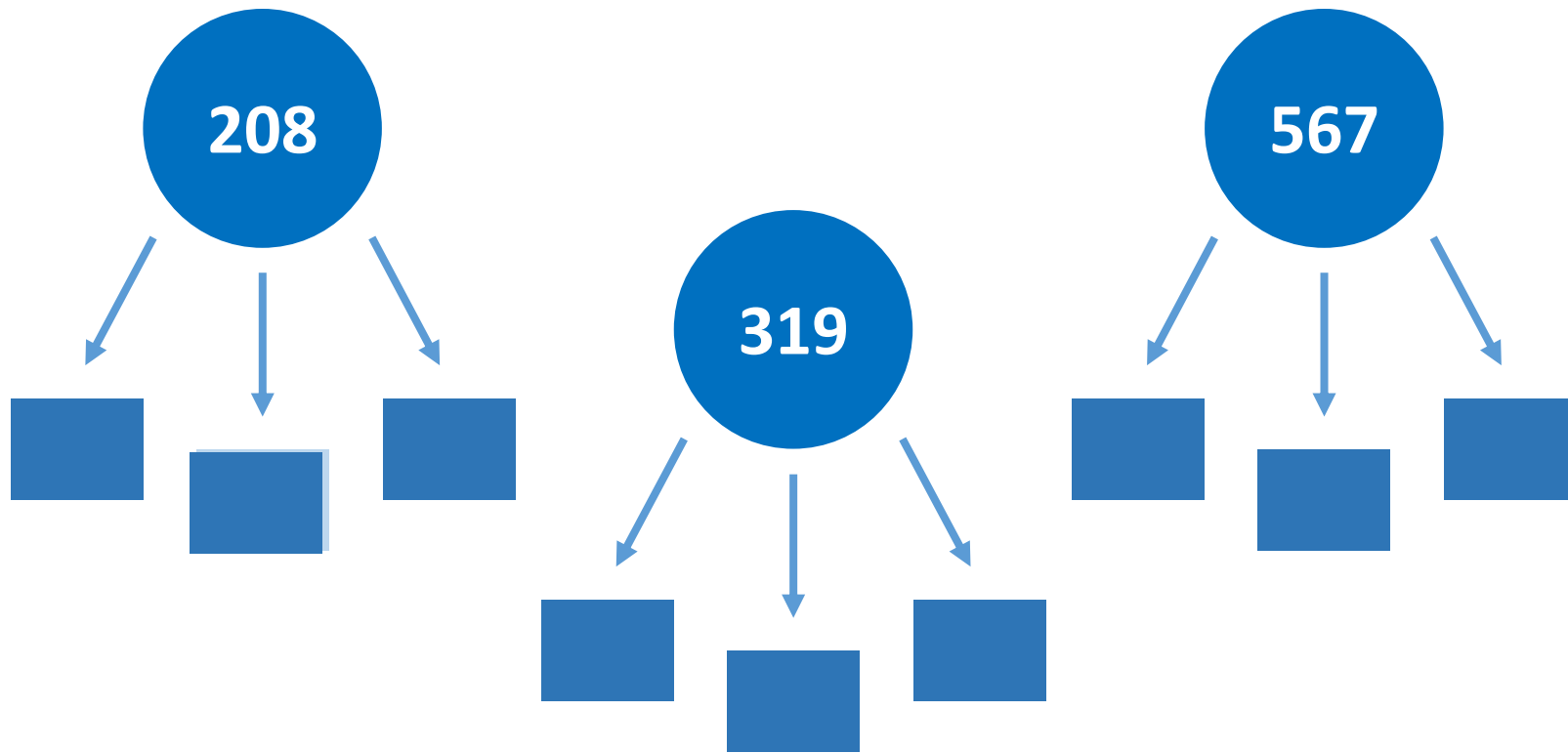
Clue: How many hundreds, tens and ones?

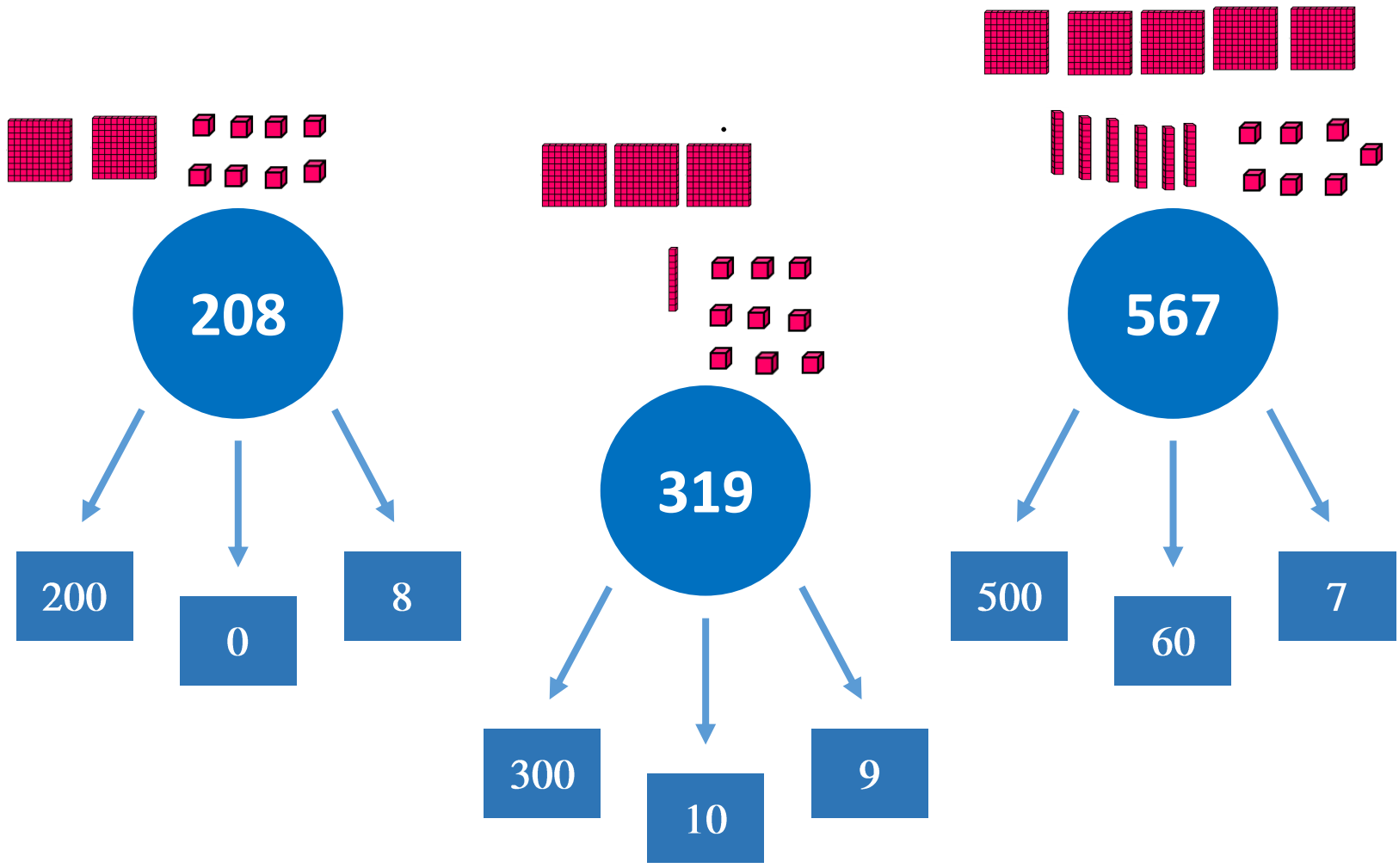
L.O: I can understand the place value of a digit



2 hundreds, 4 tens, 4 ones
= 244 = 2 hundred and forty four!

Partition these numbers

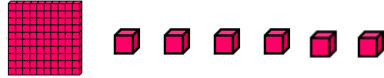


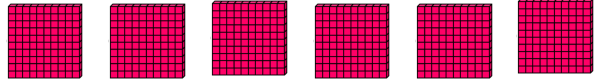


11/1/21 L.O: I can compare and order numbers

Which is bigger: 16 or 61?

11/1/21 L.O: I can compare and order numbers

16: 

61: 

Answer: $16 < 61$

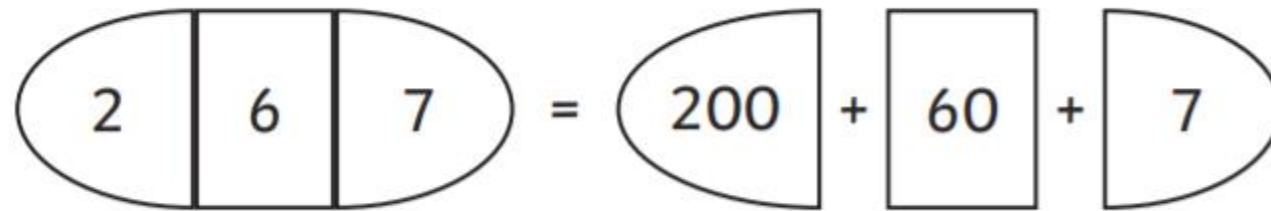
$61 > 16$

11/1/21 L.O: I can compare and order numbers

Today's Task: Complete the 'Maths Task 11.1.21' worksheet. If you do not have a printer, you can write the numbers out on a piece of paper!

12/1/21 L.O: I can partition numbers

Below is an example of how we would partition 267:



Pick a Spice Level on the next slide and partition the numbers into hundreds, tens and ones.

12/1/21 L.O: I can partition numbers

MILD

1. 13
2. 17
3. 19
4. 21
5. 22
6. 25
7. 27
8. 29
9. 30
10. 31
11. 44
12. 45
13. 57
14. 58
15. 59

SPICY

1. 113
2. 237
3. 329
4. 421
5. 522
6. 625
7. 627
8. 709
9. 305
10. 731
11. 444
12. 845
13. 857
14. 958
15. 959

HOT

1. 103
2. 222
3. 333
4. 444
5. 502
6. 620
7. 619
8. 909
9. 303
10. 770
11. 555
12. 999
13. 557
14. 988
15. 099

CHALLENGE:

How many tens in 1000?

13/1/21 L.O: I can understand the place value of a digit

Today, you are going to be given a set of digits and a criteria/rules. Can you make a number that fits the rule?

e.g. My digits are '1' and 8'. Can I arrange them to make a 2-digit number which is less than 20?

13/1/21 L.O: I can recognise the place value of a digit

Today, you are going to play the 'Place Value Four-In-A-Row' game to practise using what you know! Play with an adult or sibling.

If you do not have a dice, you can ask Siri to give you a number between 1-6.

Alternatively, you can write the numbers 1-6 on a scrap of paper, fold them, and pick one of them when it's your turn!

Mild – 1*

Spicy = 2*

Hot = 3*

The answers are included so that you can check if you are unsure!

14/1/21 L.O: I can understand the place value of a digit

Today, you are going to be given a set of digits and a criteria/rules. Can you make a number that fits the rule?

e.g. My digits are '1' and 8'. Can I arrange them to make a 2-digit number which is less than 20?

I could make 81 or 18 using '1' and '8'.

But 81 is more than 20.

So my answer must be 18!

14/1/21 L.O: I can understand the place value of a digit

MILD

Arrange the digits to make a number which fits the criteria:

1. Between 23 and 37: **3,5**

T	O

4. Between 90 and 100: **2, 9**

T	O

2. Between 12 and 18: **8, 1**

T	O

5. Between 100 and 123: **1, 3, 2**

T	O

3. Between 41 and 48: **7, 4**

T	O

6. Between 4 and 440: **0, 3**

T	O

14/1/21 L.O: I can understand the place value of a digit

SPICY

Arrange the given digits to make a number that meets the given criteria.

1. Between 161 and 169:

6, 1, 7

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H T O

4. Between 134 and 189:

5, 4, 1

--	--	--

H T O

7. Between 986 and 1000:

8, 8, 9

--	--	--

H T O

2. Between 295 and 311:

9, 2, 9

--	--	--

H T O

5. Between 576 and 601:

9, 5, 7

--	--	--

H T O

8. Between 784 and 876:

8, 4, 7

--	--	--

H T O

3. Between 392 and 397:

5, 3, 9

--	--	--

H T O

6. Between 784 and 812:

8, 5, 7

--	--	--

H T O

9. Between 578 and 811:

8, 6, 7

--	--	--

H T O

14/1/21 L.O: I can understand the place value of a digit

HOT

1. Between 161 and 182:

6, 1, 7

H	T	O

2. Between 295 and 311:

9, 2, 8

H	T	O

3. Between 373 and 397:

8, 3, 9

H	T	O

4. Between 352 and 401:

2, 6, 3

H	T	O

5. Between 573 and 601:

6, 5, 7

H	T	O

6. Between 784 and 811:

8, 9, 7

H	T	O

7. My number is 999. What could my criteria be?

8. My number is 673. What could my criteria be?

9. My number is 507. What could my criteria be?

10. My number is 519 or 915. What could my criteria be?

Today, you are going to play some games to consolidate your knowledge of place value.

Play the following games:

‘Place Value Chart’

<https://www.topmarks.co.uk/place-value/place-value-charts> (Choose the ‘HTO’ option and try both ‘numbers’ and ‘words’).

‘Shark Numbers’

<http://www.ictgames.com/sharkNumbers/mobile/index.html> (Select ‘Numbers up to 999’)

‘Carroll Diagrams’

<https://www.topmarks.co.uk/carroll-diagrams/odd-and-even> (Select ‘Level 4’)