

Tenths, Hundredths and Thousandths Place Value Grid

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

[illegible]

LO: To understand and use thousandths as decimals

LO: To order and compare any decimals up to 3 decimal places

LO: To round to the nearest whole number

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15.4.24 LO: To understand and use thousandths as decimals

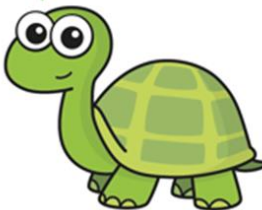
$$1) \quad 3 = \frac{\boxed{}}{100}$$

$$2) \quad 3 = \frac{\boxed{}}{1000}$$

Copy into books

Fraction	Decimal
$\frac{3}{20}$	

As a decimal, that number is 0.3 because the numerator is 3!



Fraction	Decimal
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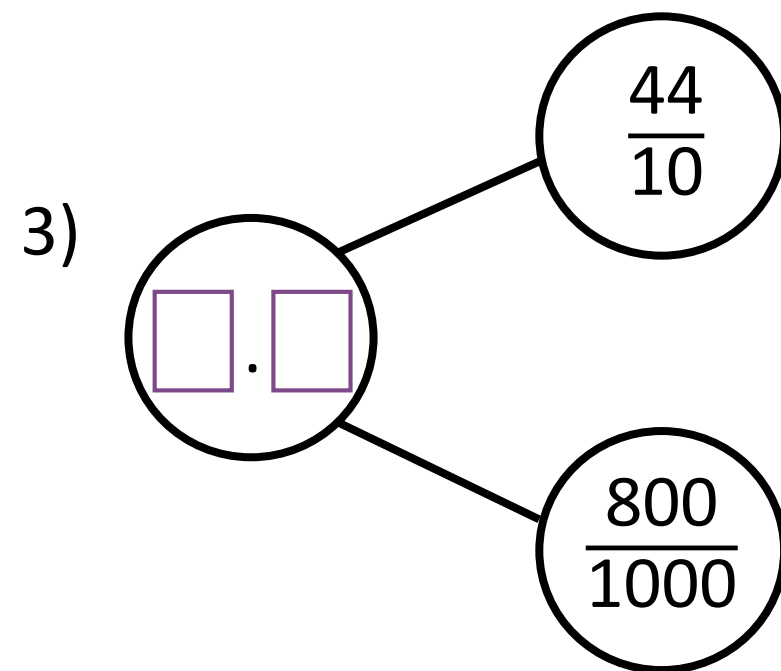
As a decimal, that number is 0.3 because the numerator is 3!



Mon

1) $3 = \frac{\boxed{}}{100}$

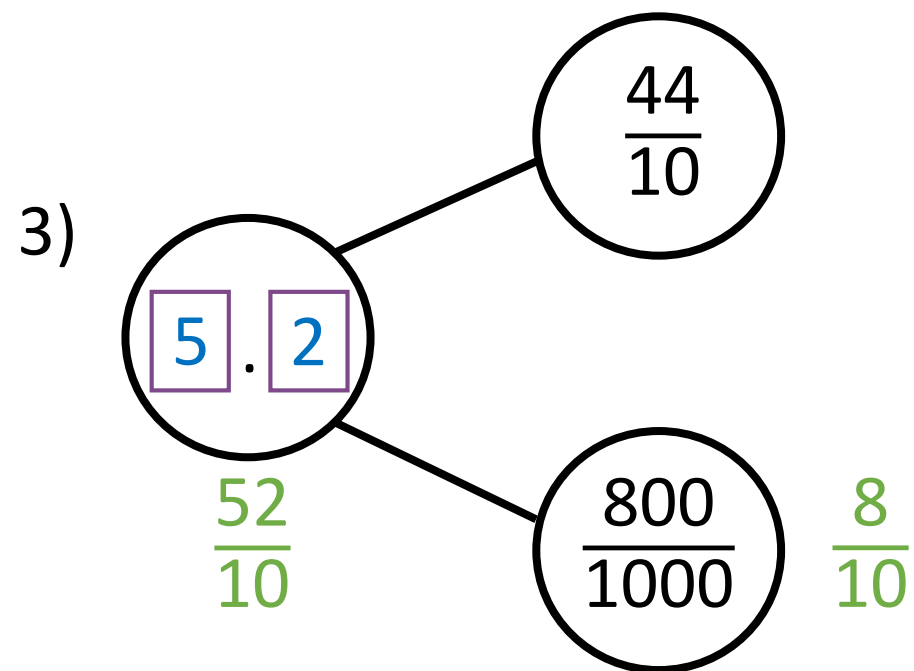
2) $3 = \frac{\boxed{}}{1000}$



Recap....

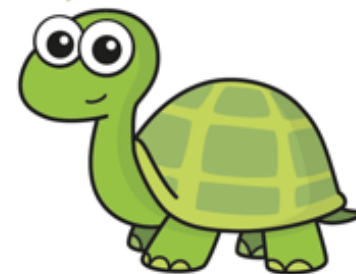
1) $3 = \frac{300}{100}$

2) $3 = \frac{3000}{1000}$



Fraction	Decimal
$\frac{3}{20}$	

As a decimal, that
number is 0.3
because the
numerator is 3!



Term Spring 2 Week beginning 5.3.24

Block Decimals and percentages

Key vocabulary

Place value, decimal point, tenths, hundredths, thousandths, representation, equivalent, fractions, factors, percentage, rounding

	WT	EX	S
Decimals up to 2 decimal places			
Equivalent fractions and decimals (tenths)			
Equivalent fractions and decimals (hundredths)			
Equivalent fractions and decimals			
Thousandths as fractions			
Thousandths as decimals			
Thousandths on a place value chart			
Order and compare decimals (same digits)			
Order and compare decimals (up to 3 digits)			
Round to the nearest whole number			
Round to 1 decimal place			
Understand percentages			
Percentages as fractions			
Percentages as decimals			
Equivalent fractions, decimals and percentages			

Stem sentences

- The fraction ____ is equivalent to the decimal ____.
- ____ hundredths is equivalent to ____ tenths.
- If I know that ____ is equivalent to ____, then I also know that ____ is equivalent to ____.
- ____ can be partitioned into ____ + ____ + ____.
- If the digits in the ____ column are the same, I need to look at the ____ column.

Crucial Vocab...

decimal

decimal places

tenth

hundredth

thousandths

decimal
decimal places
tenth
hundredth
thousandths

decimal
decimal places
tenth
hundredth
thousandths

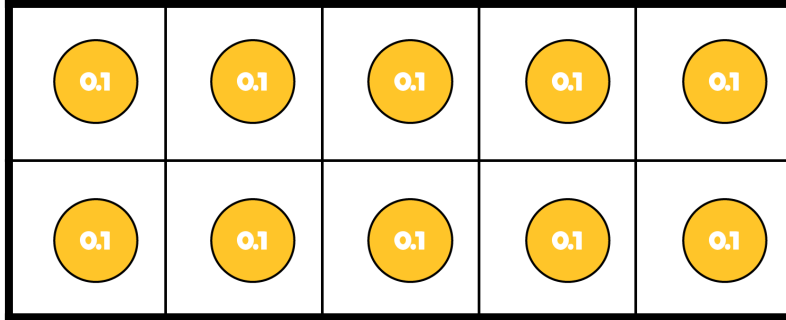
decimal
decimal places
tenth
hundredth
thousandths

decimal
decimal places
tenth
hundredth
thousandths

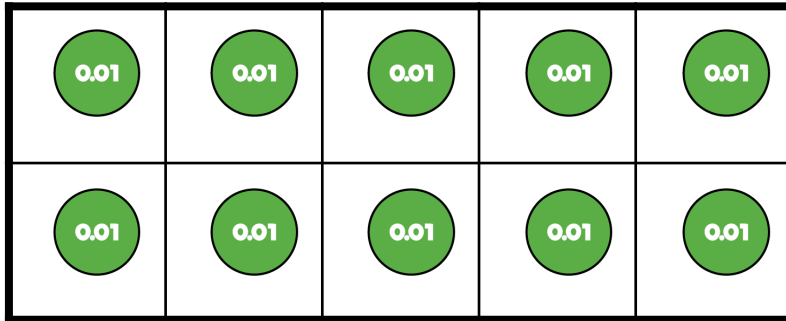
decimal
decimal places
tenth
hundredth
thousandths

decimal
decimal places
tenth
hundredth
thousandths

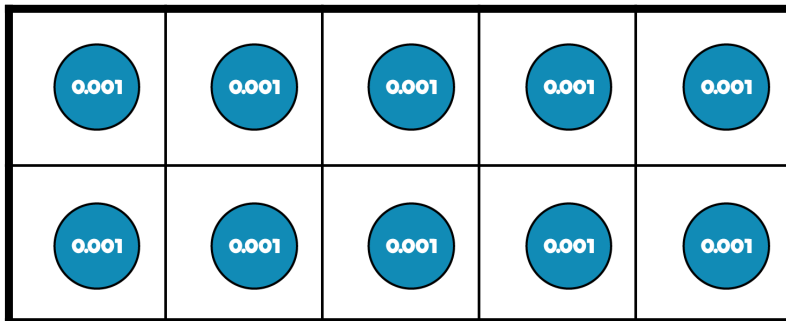
Mon



10 tenths = 1 whole

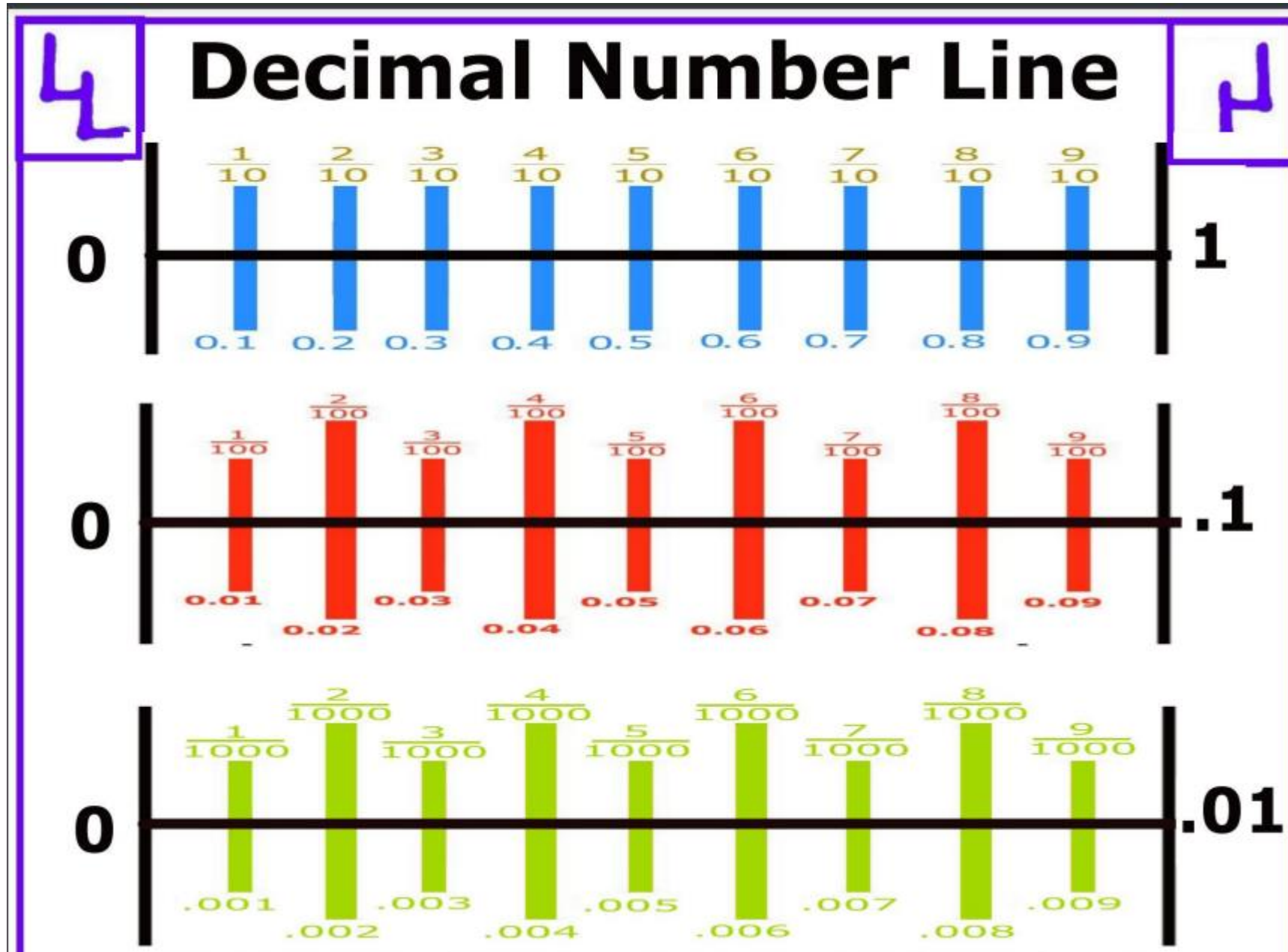


10 hundredths = 1 tenth

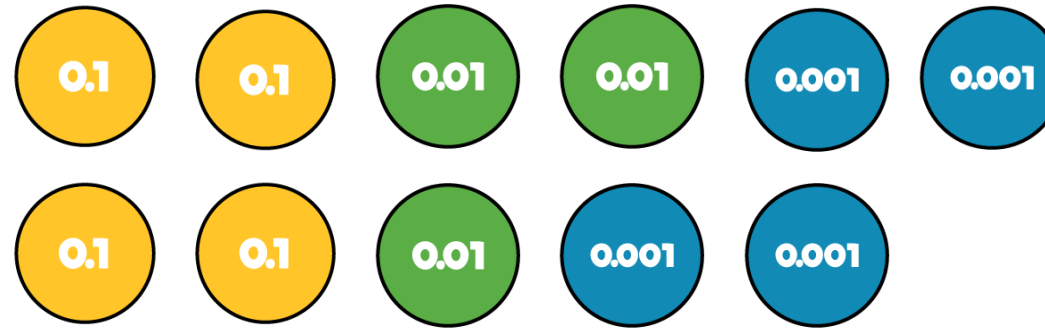


10 thousandths = 1 hundredth

Recap...



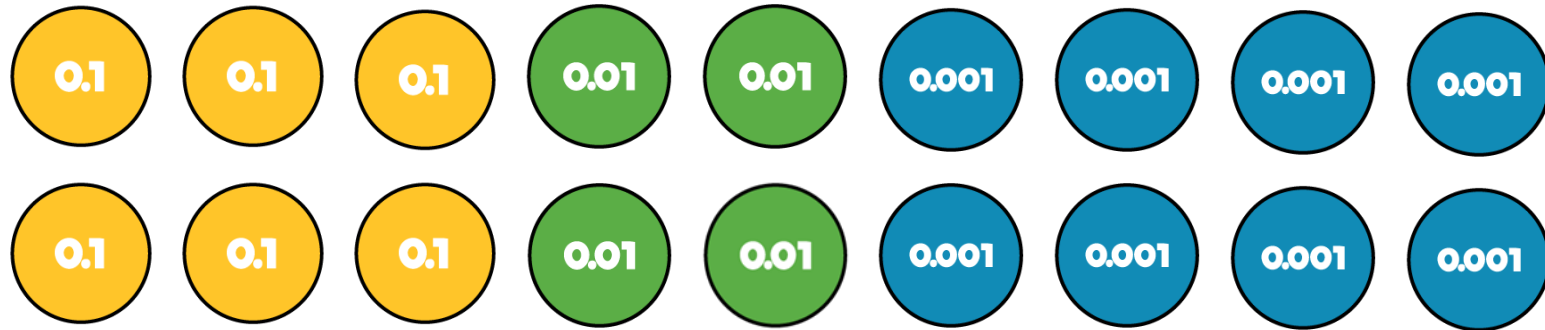
What decimal is represented?



0.434

What does each digit in a decimal number represent?

What decimal is represented?



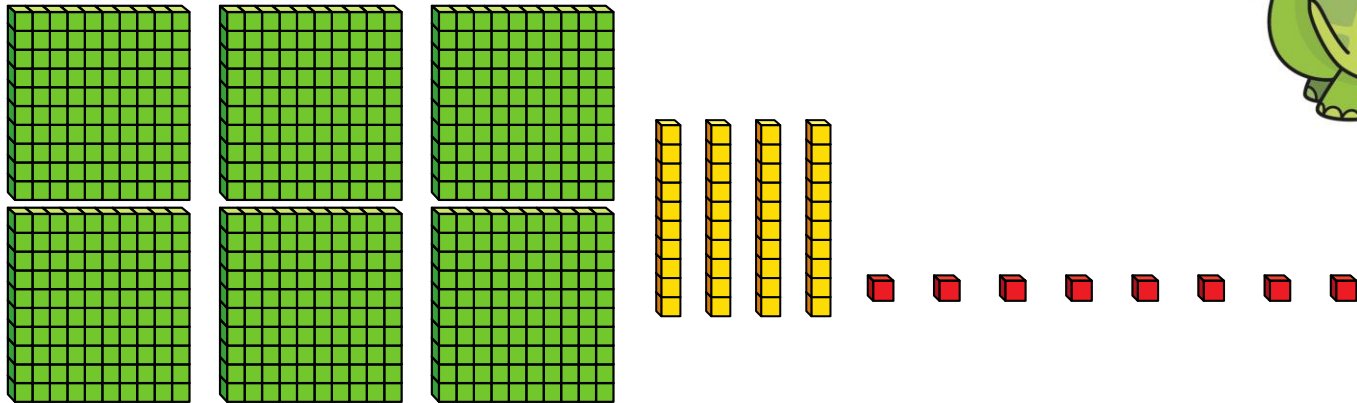
0.648

Have a think





0.648

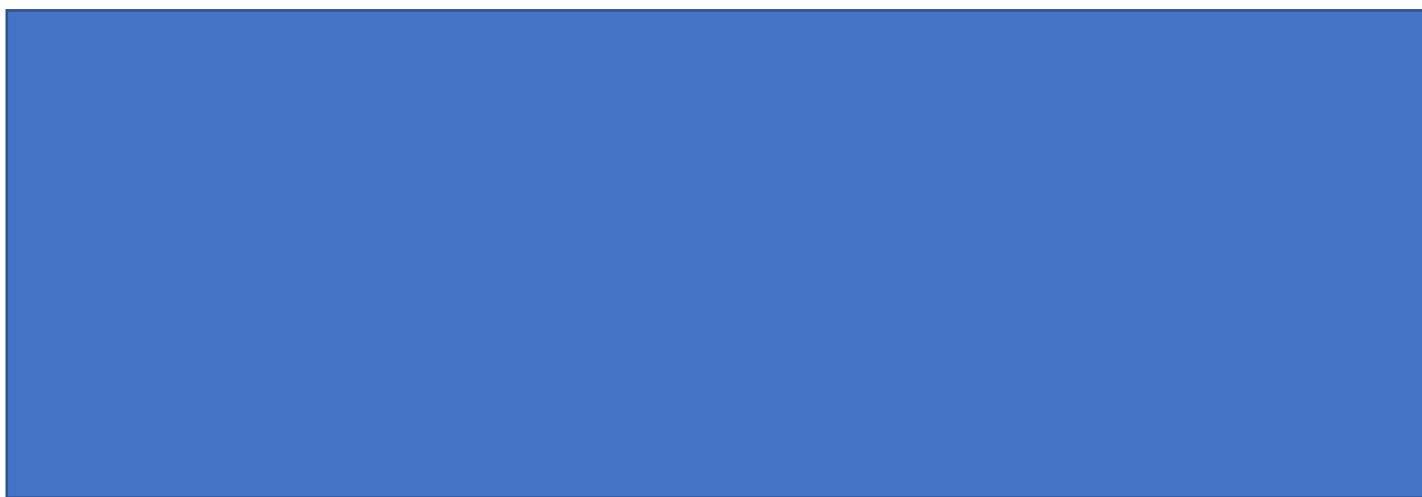


0.648

Why is Tiny's representation correct?



Your turn



Thousandths as decimals

1 What decimals are represented?

a)



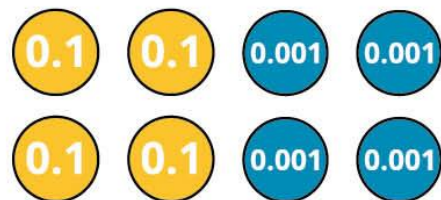
b)



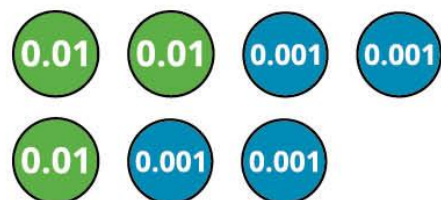
Write in books- use place value charts if needed

1

c)



d)



I do



2

Dani is using base 10 to represent decimals.

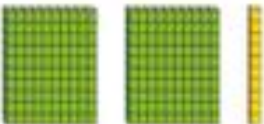
She uses  to represent 1 whole.

She uses  to represent 0.1

She uses  to represent 0.01

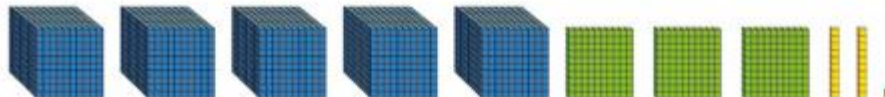
She uses  to represent 0.001

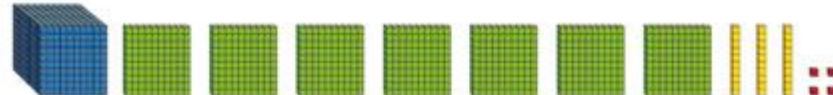
What decimals are represented?

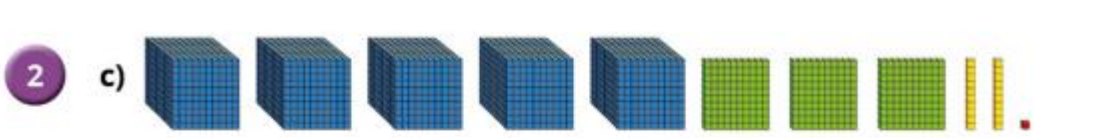
a) 

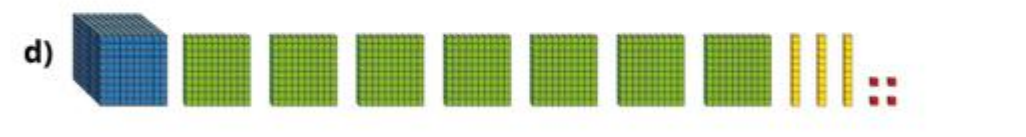
You do

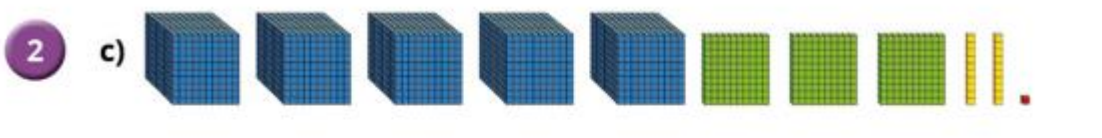
2

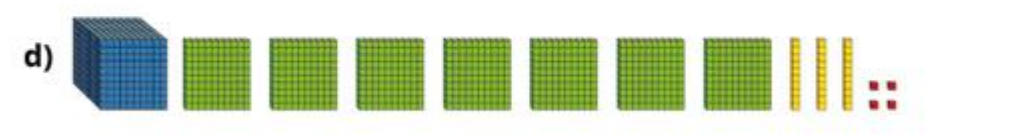
c) 

d) 











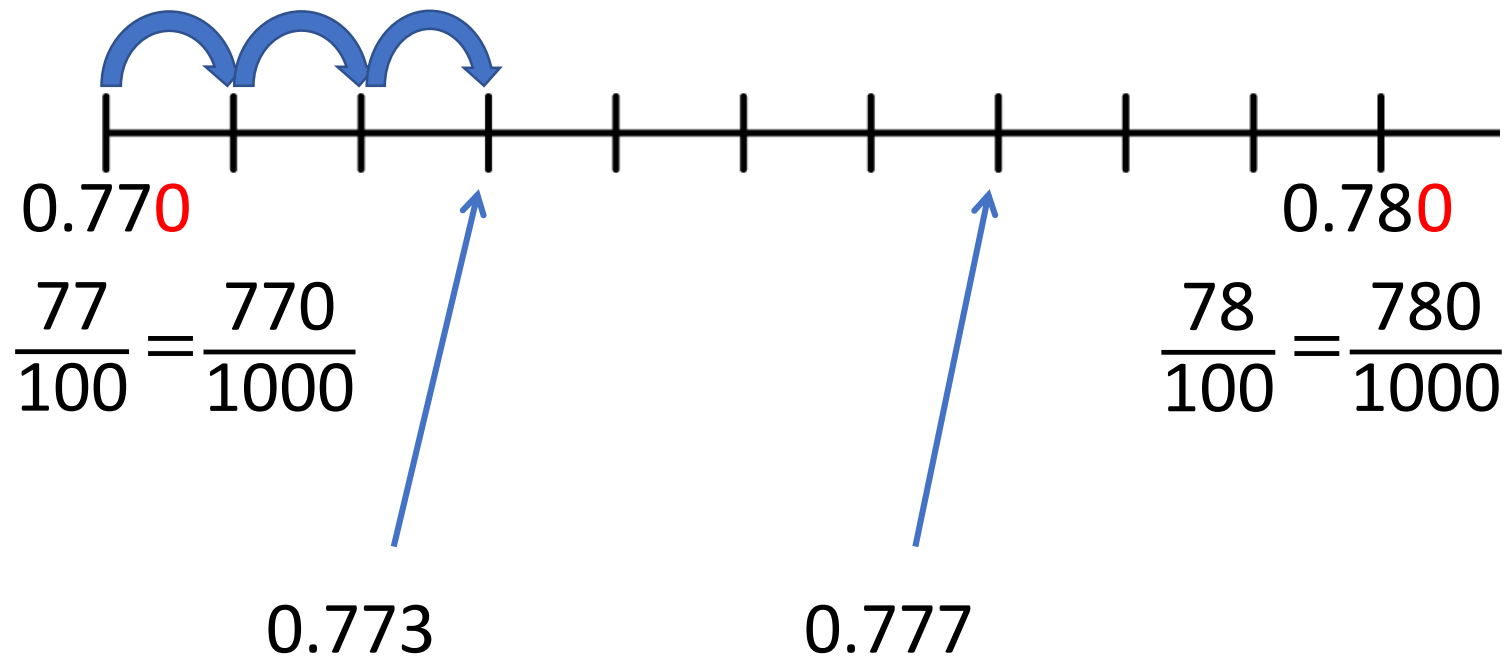


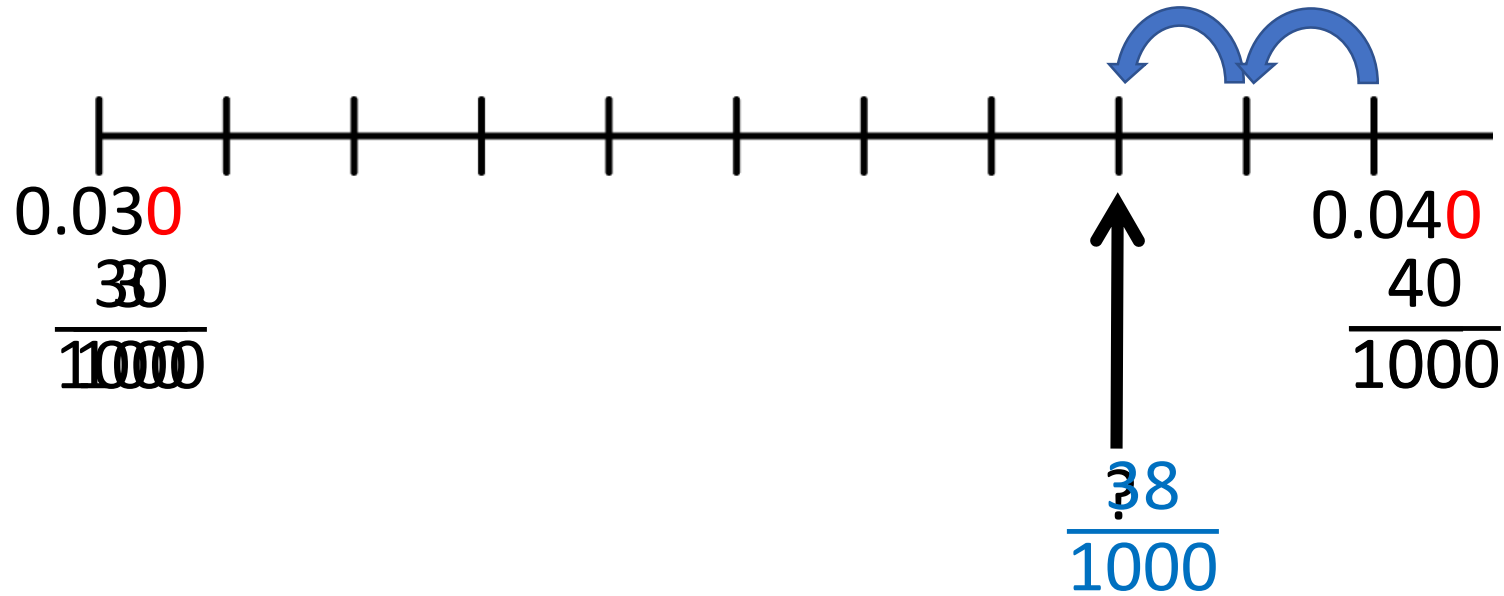




1	a) 0.662 b) 0.521 c) 0.404 d) 0.034
2	a) 0.21 b) 0.357 c) 5.321 d) 1.734

Draw an arrow from each number to its position on the number line.





Write this number as a decimal.

0.038

Have a think

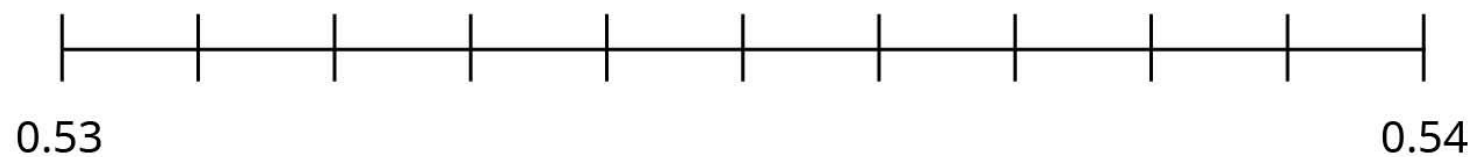


- 3 Draw an arrow from each number to its position on the number line.

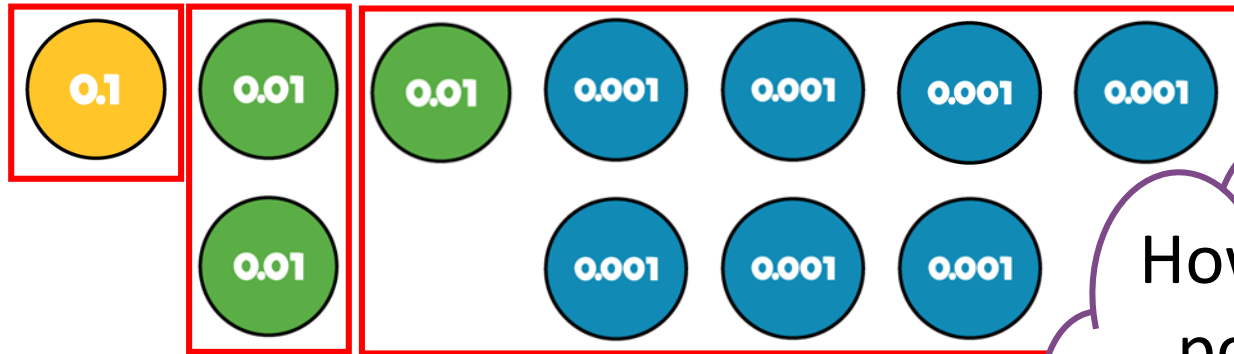
0.532

0.535

0.538



Mo has made the number 0.137 using place value counters.



How many possible ways can you find?

$$0.137 = 0.1 + 0.03 + 0.007$$

How else could Mo partition 0.137?

$$0.137 = 0.1 + 0.02 + 0.017$$

$$0.137 = \square + \square + \square$$

Have a think

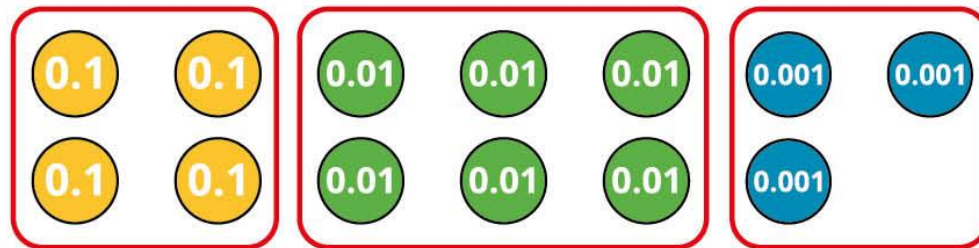




4

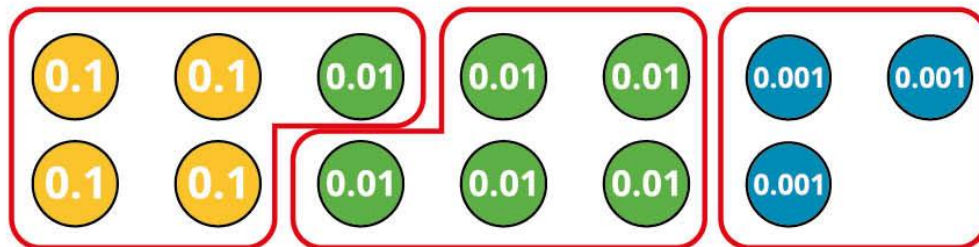
Use the place value counters to complete the partitions.

a)



$$0.463 = \boxed{} + \boxed{} + \boxed{}$$

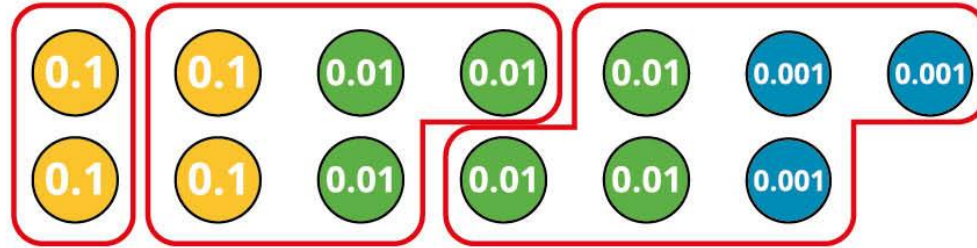
b)



$$0.463 = \boxed{} + \boxed{} + \boxed{}$$

4

c)

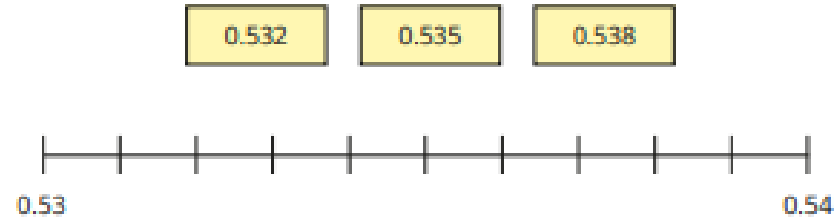


$$0.463 = \boxed{} + \boxed{} + \boxed{}$$

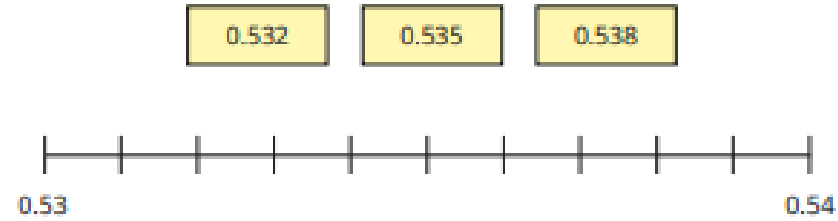
How many other ways can you partition 0.463?



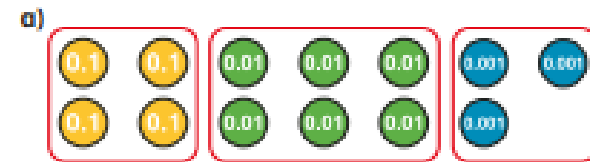
- 3 Draw an arrow from each number to its position on the number line.



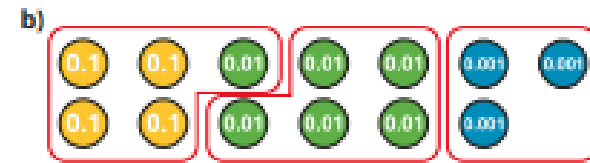
- 3 Draw an arrow from each number to its position on the number line.



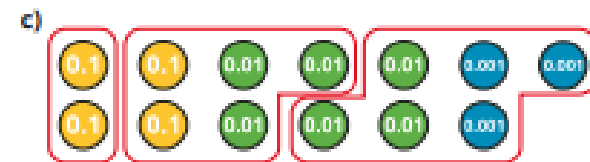
- 4 Use the place value counters to complete the partitions.



$$0.463 = \square + \square + \square$$

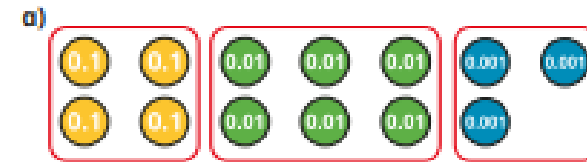


$$0.463 = \square + \square + \square$$

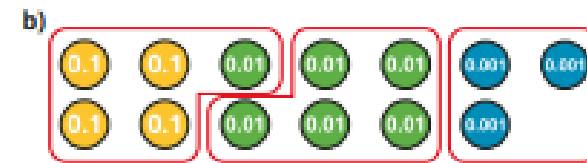


$$0.463 = \square + \square + \square$$

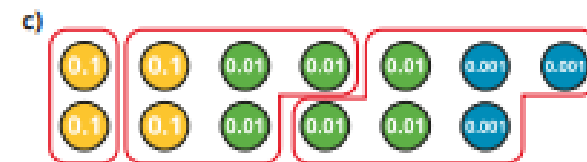
- 4 Use the place value counters to complete the partitions.



$$0.463 = \square + \square + \square$$



$$0.463 = \square + \square + \square$$

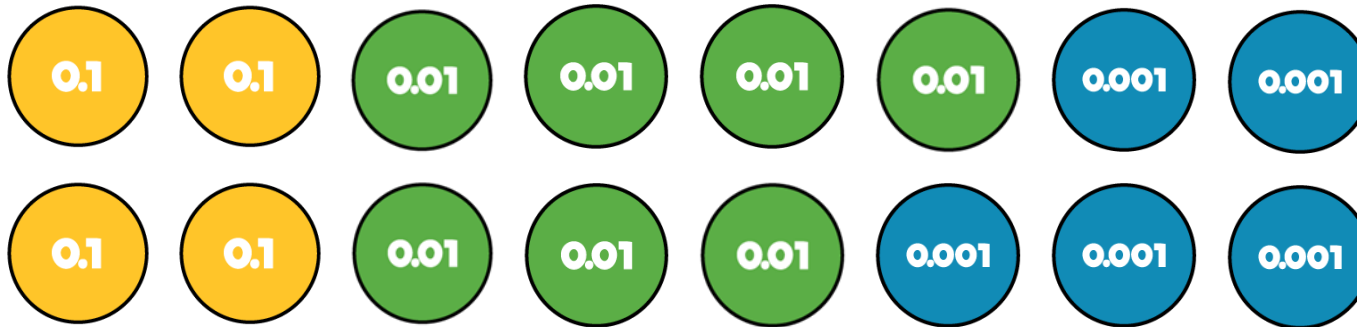
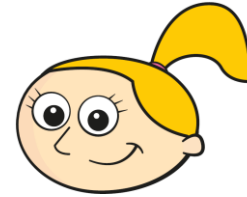


$$0.463 = \square + \square + \square$$

Write a decimal to complete the statement.

$$\frac{4}{10} + \frac{7}{100} + \frac{5}{1000} = 0.475$$

I will use place value counters to help.





5

Write a decimal to complete the statement.

a) $\frac{7}{10} + \frac{3}{100} + \frac{9}{1000} =$

I do!

d) $\frac{2}{10} + \frac{7}{1000} =$

You do!

e) $7 + \frac{6}{100} + \frac{3}{1000} =$

d) $\frac{2}{10} + \frac{7}{1000} =$

e) $7 + \frac{6}{100} + \frac{3}{1000} =$

ita Brca Mathc 2022

d) $\frac{2}{10} + \frac{7}{1000} =$

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ita Brca Mathc 2022

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ita Brca Mathc 2022

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ita Brca Mathc 2022

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ita Brca Mathc 2022

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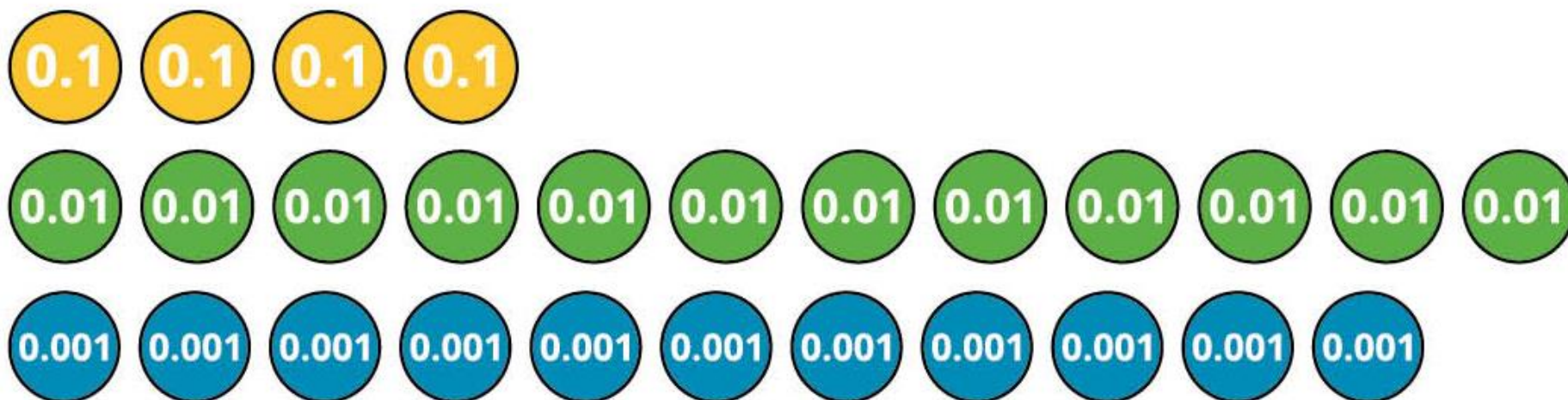
d) $\frac{2}{10} + \frac{7}{1000} =$

e) $7 + \frac{6}{100} + \frac{3}{1000} =$

ita Brca Mathc 2022

6

Whitney is using place value counters to partition 0.531



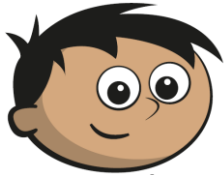
a) Complete Whitney's partition.

$$0.531 = \boxed{} + \boxed{} + \boxed{}$$

b) Partition Whitney's number another way.

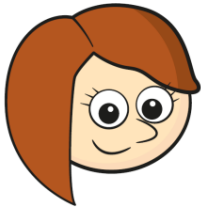
5	a) 0.739 b) 0.971 c) 2.971 d) 0.207 e) 7.063
6	a) $0.4 + 0.12 + 0.011$ b) multiple possible answers, e.g. $0.1 + 0.41 + 0.011$

Three children are partitioning the number 0.504



Amir

$$0.504 = 0.5 + 0.004$$



Rosie

$$0.504 = 0.3 + 0.2 + 0.004$$



Ron

$$0.504 = \frac{5}{10} + \frac{4}{1000}$$

Who is correct? Explain why.

Have a think



They have all partitioned 0.504 correctly.

Three children are partitioning the number 0.504



Amir

$$0.504 = 0.5 + 0.004$$



Rosie

$$0.504 = 0.3 + 0.2 + 0.004$$



Ron

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Who is correct? Explain why.

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Who is correct? Explain why.

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Who is correct? Explain why.

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Ron

$$0.504 = \frac{5}{10} + \frac{4}{1000}$$

Who is correct? Explain why.

Maths Meeting

Key skills



Tues 16.4.24 RS teach

LO: To find thousandths on a place value chart

Whiteboards-
explain why!

Term Spring 2 Week beginning 5.3.24

Block Decimals and percentages

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Decimals up to 2 decimal places			
Equivalent fractions and decimals (tenths)			
Equivalent fractions and decimals (hundredths)			
Equivalent fractions and decimals			
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Thousandths as decimals			
Thousandths on a place value chart			
Order and compare decimals (same d.p.s)			
Order and compare decimals (up to 3 d.p.s)			
Round to the nearest whole number			
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Percentages as decimals			
Equivalent fractions, decimals and percentages			

Stem sentences

- The fraction ____ is equivalent to the decimal ____ .
- ____ hundredths is equivalent to ____ tenths.
- If I know that ____ is equivalent to ____, then I also know that ____ is equivalent to ____.
- ____ can be partitioned into ____ + ____ + ____.
- If the digits in the ____ column are the same, I need to look at the ____ column.

Crucial Vocab...

decimal

decimal places

tenth

hundredth

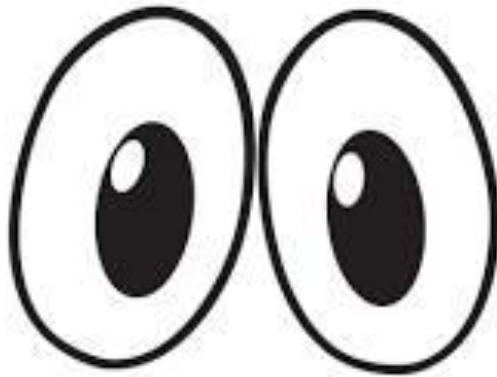
thousandths

Maths Meeting- Tues

Rounding



<https://www.bbc.co.uk/bitesize/articles/zpx2qty>



<https://www.youtube.com/watch?v=3afU6JQG15I>

Rounding to 100

For each of these numbers, write five numbers that can be rounded to the number when rounded to the nearest 100.

300

Between 250
and 349

1500

Between 1450
and 1549

32 900

Between
32 850 and 32
949

782 000

Between
781 950 and
782 049

Explain the range of answers for 10 000.

Any number between 9 950 and 10 049

Hide
Answers

Rounding to 1000

Write down the numbers which, when rounded to the nearest thousand, are rounded to 34 000:

33 672

34 829

30 999

34 002

33 903

32 919

34 500

33 499

33 501

34 201

Create your own set of numbers for a partner.

Hide
Answers

Rounding to 10

seventeen



Work with a partner.

Write a number (up to 6 digits) on a small whiteboard (hidden).

Say the number to your partner who must round it to the nearest 10. If they get the answer correct, then it is their turn to write a number.

If your partner guesses an incorrect answer, then you will get a point.

Play to 10 points and then swap partners.

If your partner is finding it difficult, perhaps show them the numbers for a few seconds.

twenty



*LO: To order and compare decimals
(same number of decimal places)*

Starter task ...
stick in books- subtraction problems

Maths Three Repeating Golden Threads



Mastery

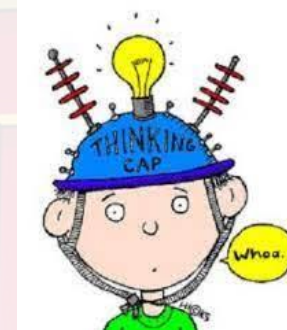
Pupils acquire a deep, long-term, secure adaptable understanding

Fluency

Quick and. efficient recall of facts and procedures

Application

The use of maths everyday in the real world, outside the classroom.



Term Spring 2 Week beginning 5.3.24

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Thousandths on a place value chart			
Order and compare decimals (same digits)			
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Round to the nearest whole number			
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Understand percentages			
Percentages as fractions			
Percentages as decimals			
Equivalent fractions, decimals and percentages			

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Crucial Vocab...

decimal

decimal places

tenth

hundredth

Maths Meeting-Weds

Multiplication revision



1) $3 \times 8 = 24$

$30 \times 8 = 240$

2) $6 \times 7 = 42$

$6 \times 70 = 420$

3) $22 \times 13 = 286$

4) $22 \times 14 = 308$

×	20	2
10	200	20
3	60	6

$$23 \times 31$$

×	20	3
30	600	90
1	20	3

$$600 + 90 + 20 + 3 = 713$$

	H	T	O	
		2	3	
×		3	1	
			3	

$$23 \times 31$$

×	20	3
30	600	90
1	20	3

$$600 + 90 + 20 + 3 = 713$$

	H	T	O	
		2	3	
×		3	1	
		2	3	

$$23 \times 31$$

×	20	3
30	600	90
1	20	3

$$600 + 90 + 20 + 3 = 713$$

	H	T	O	
		2	3	
×		3	1	
		2	3	
		9	0	

$$23 \times 31$$

×	20	3
30	600	90
1	20	3

	H	T	O	
		2	3	
×		3	1	
		2	3	
	6	9	0	

$$600 + 90 + 20 + 3 = 713$$

$$23 \times 31$$

×	20	3
30	600	90
1	20	3

$$600 + 90 + 20 + 3 = 713$$

	H	T	O	
		2	3	
×		3	1	
		2	3	
+	6	9	0	
	7	1	3	

$$41 \times 26$$

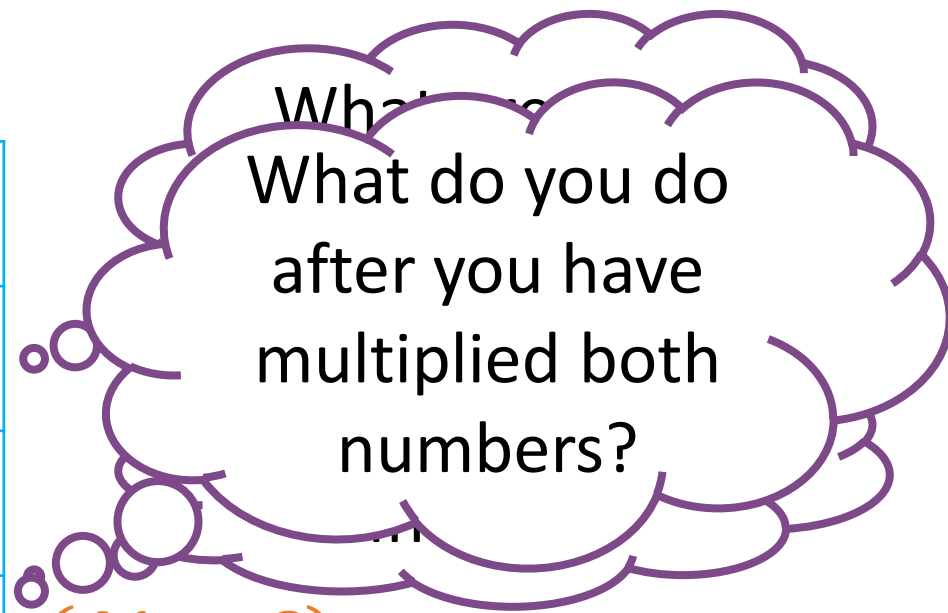
	Th	H	T	O	
			4	1	
			2	6	
×					
		2	4	6	
		₂			
+					

What are you
multiplying 41
by first?

$$(41 \times 6)$$

$$41 \times 26$$

	Th	H	T	O	
			4	1	
×			2	6	
		2	4	6	
+		8	2	0	
	1	0	6	6	



$$(41 \times 6)$$

$$(41 \times 20)$$

$$41 \times 26 = 1,066$$

Thurs

*LO: To order and compare decimals
(up to 3 decimal places)*

Which
is bigger?

< >

Whiteboards

1) 3.124 ☐ 2.124

2) 5.348 ☐ 5.389

3) 965 ☐ 987

4) 1000 ☐ 999

1) 3.124 2.124

2) 5.348 5.389

3) 965 987

4) 1000 999

1) $3.124 > 2.124$

2) $5.348 < 5.389$

3) $965 < 987$

4) $1000 > 999$

Maths Three Repeating Golden Threads



Mastery

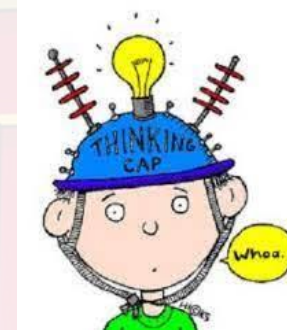
Pupils acquire a deep, long-term, secure adaptable understanding

Fluency

Quick and. efficient recall of facts and procedures

Application

The use of maths everyday in the real world, outside the classroom.



Term Spring 2 Week beginning 5.3.24

Block Decimals and percentages

Key vocabulary

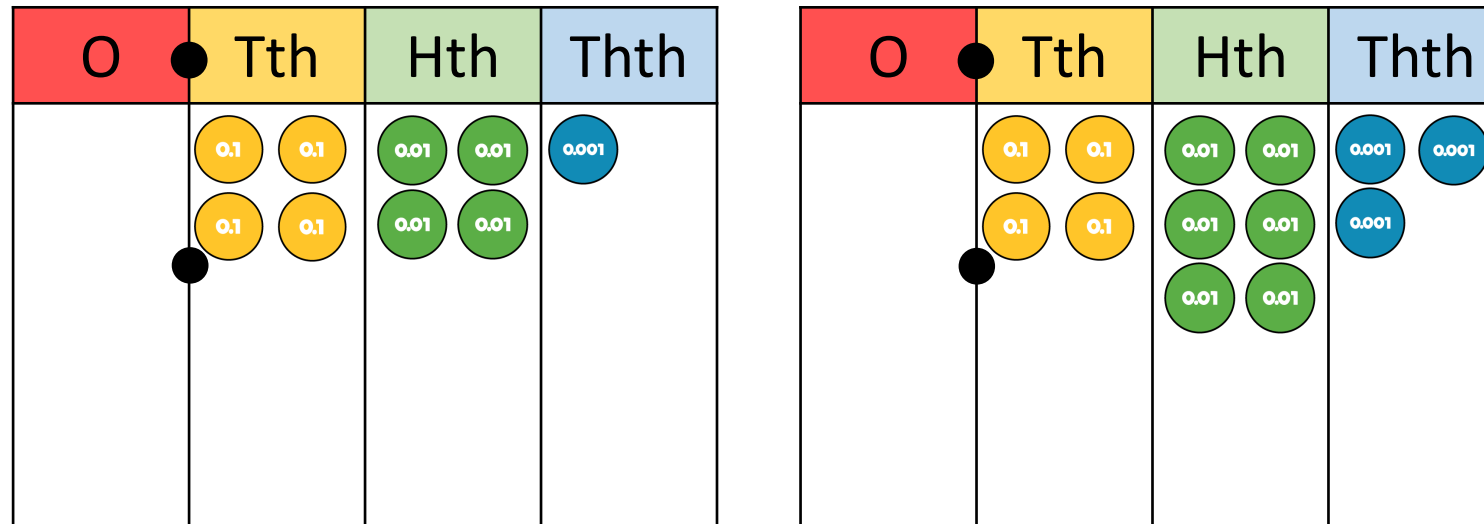
Place value, decimal point, tenths, hundredths, thousandths, representation, equivalent, fractions, factors, percentage, rounding

	WT	EX	S
Decimals up to 2 decimal places			
Equivalent fractions and decimals (tenths)			
Equivalent fractions and decimals (hundredths)			
Equivalent fractions and decimals			
Thousandths as fractions			
Thousandths as decimals			
Thousandths on a place value chart			
Order and compare decimals (same d.p.s)			
Order and compare decimals (up to 3 d.p.s)			
Round to the nearest whole number			
Round to 1 decimal place			
Understand percentages			
Percentages as fractions			
Percentages as decimals			
Equivalent fractions, decimals and percentages			

Stem sentences

- The fraction ____ is equivalent to the decimal ____.
- ____ hundredths is equivalent to ____ tenths.
- If I know that ____ is equivalent to ____, then I also know that ____ is equivalent to ____.
- ____ can be partitioned into ____ + ____ + ____.
- If the digits in the ____ column are the same, I need to look at the ____ column.

Which number is greater?



0.441

<

0.463

First, I need to look at the tenths column.

If the digits in the tenths column are the same, I need to look at the hundredths column.

Have a think



The place value charts show the numbers
0.32 and 0.302

O	T	H	Th
	●● ●	●●	

O	T	H	Th
	●● ●		●●

What is the
same?

What is
different?

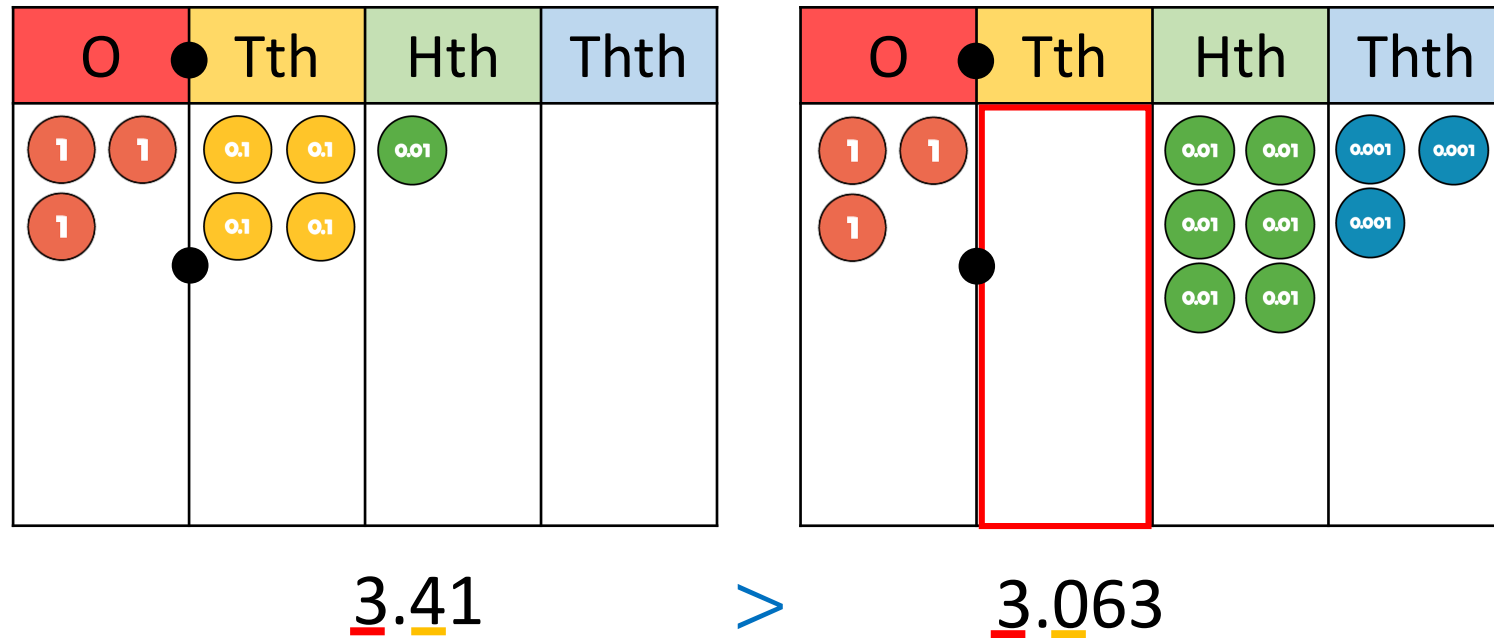
Which number is greater? How do you know?

0.32 is the greater number. $0.320 > 0.302$

Have a think



Which number is greater?



First, I need to look at the ones column.

If the digits in the ones column are the same, I need to look at the tenths column.

Have a think



13 is greater than
2 so the bottom
number is greater.



$$0.2 > 0.13$$

Is Tiny correct?

One	Tenths	Hundredths
	0.1 0.1	
	2	

Ones	Tenths	Hundredths
	0.1	0.01 0.01 0.01
	1	3

Use $<$, $>$ or $=$ to compare the numbers.

$$\begin{array}{ccc} 2.7 & > & 2.55 \\ 2.70 & & 2.55 \end{array}$$

$$\begin{array}{ccc} 5.712 & > & 5.7 \\ 5.712 & & 5.700 \end{array}$$

Have a think



How do you know which
number is greater?



Your turn



Order and compare any decimals with up to 3 decimal places

- 1 Which number is greater?
Tick your answer.

T	O	Tth	Hth
	1 1	0.1 0.1	0.01 0.01
		0.1	0.01 0.01
			0.01

T	O	Tth	Hth
	1 1		0.01 0.01
	1 1		
	1 1		

Explain your answer.

2 Which is the smaller number?

Tick your answer.

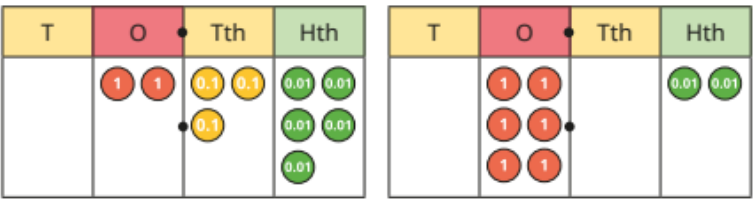
T	O	Tth	Hth
10	1 1 1 1	0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01

T	O	Tth	Hth
10	1 1 1 1	0.1 0.1 0.1 0.1 0.1 0.1	

Explain your answer.

1 Which number is greater?

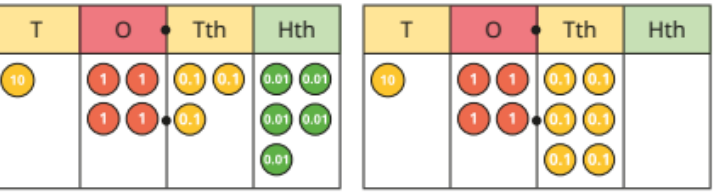
Tick your answer.



Explain your answer.

2 Which is the smaller number?

Tick your answer.

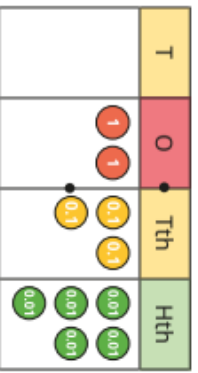


Explain your answer.

Thurs

1 Which number is greater?

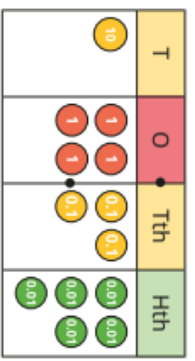
Tick your answer.



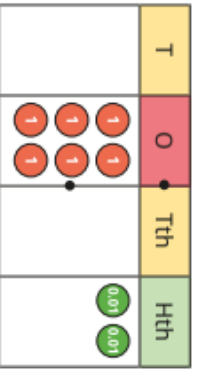
Explain your answer.

2 Which is the smaller number?

Tick your answer.

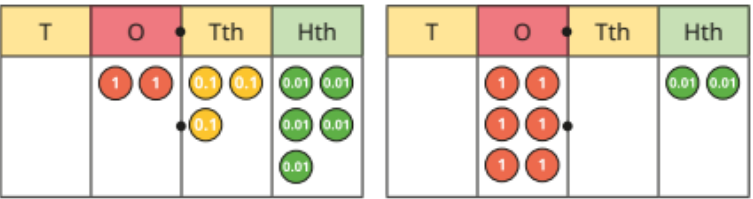


Explain your answer.



1 Which number is greater?

Tick your answer.



Explain your answer.

2 Which is the smaller number?

Tick your answer.



Explain your answer.



- 3 Use place value counters to make each of the numbers.

4.13

4.08

5.1

a) Which is the greatest number?

b) Which is the smallest number?

How do you know?

As class...

76.41		76.3	35.03	
Tens	Ones	●	Tth	Hth
7	6	●	3	
3	5	●	0	3
7	6	●	4	1
35.03		76.3	76.41	

5.40
↑ ↑ ↑

5.5
↑ ↑

5.33
↑ ↑

5.44
↑ ↑ ↑

Jot in maths books
as reminder!



Ascending order

From smallest to greatest

- 4 Here are some numbers in a place value chart.

Ones	Tenths	Hundredths	Thousandths
3	2	3	4
3	1	6	
3	2	0	8
3	1	4	5

Write the numbers in order, starting with the greatest number.

- 4 Here are some numbers in a place value chart.

Ones	Tenths	Hundredths	Thousandths
3	2	3	4
3	1	6	
3	2	0	8
3	1	4	5

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thurs

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3	2	0	8
3	1	4	5

Write the numbers in order, starting with the greatest number.

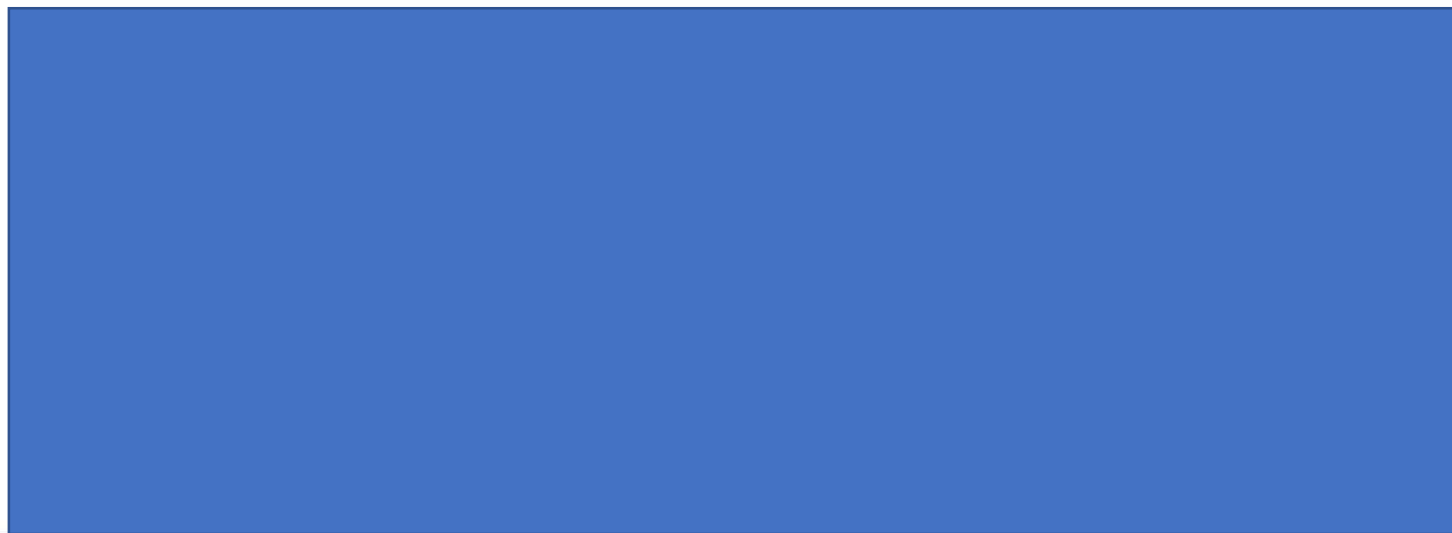
- 4 Here are some numbers in a place value chart.

Ones	Tenths	Hundredths	Thousandths
3	2	3	4
3	1	6	
3	2	0	8
3	1	4	5

Write the numbers in order, starting with the greatest number.



Your turn



- 5 The children are measuring their heights with a metre ruler.

Mo	Amir	Ron	Teddy	Jack
				
1.35 m	1.53 m	1.32 m	1.3 m	1.5 m

Write the names and heights of the children in order from shortest to tallest.

Name	Height

5

The children are measuring their heights with a metre ruler.

Mo

Amir

Ron

Teddy

Jack







1.35 m

1.53 m

1.32 m

1.3 m

1.5 m

Write the names and heights of the children in order from shortest to tallest.

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The children are measuring their heights with a metre ruler.

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1.35 m

1.53 m

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1.3 m

1.5 m

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1.35 m

1.53 m

1.32 m

1.3 m

1.5 m

Write the names and heights of the children in order from shortest to tallest.

Name	Height

5

The children are measuring their heights with a metre ruler.

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Ron

Teddy

Jack







1.35 m

1.53 m

1.32 m

1.3 m

1.5 m

Write the names and heights of the children in order from shortest to tallest.

Name	Height

5

The children are measuring their heights with a metre ruler.

Mo

Amir

Ron

Teddy

Jack







1.35 m

1.53 m

1.32 m

1.3 m

1.5 m

Write the names and heights of the children in order from shortest to tallest.

Name	Height

I do

0.45

0.654

0.546

0.405

You do

b)

7.2 kg

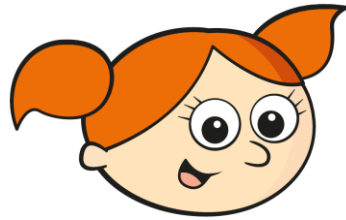
7.212 kg

7.21 kg

7.201 kg

Write in books!

Alex has put some numbers in ascending order.

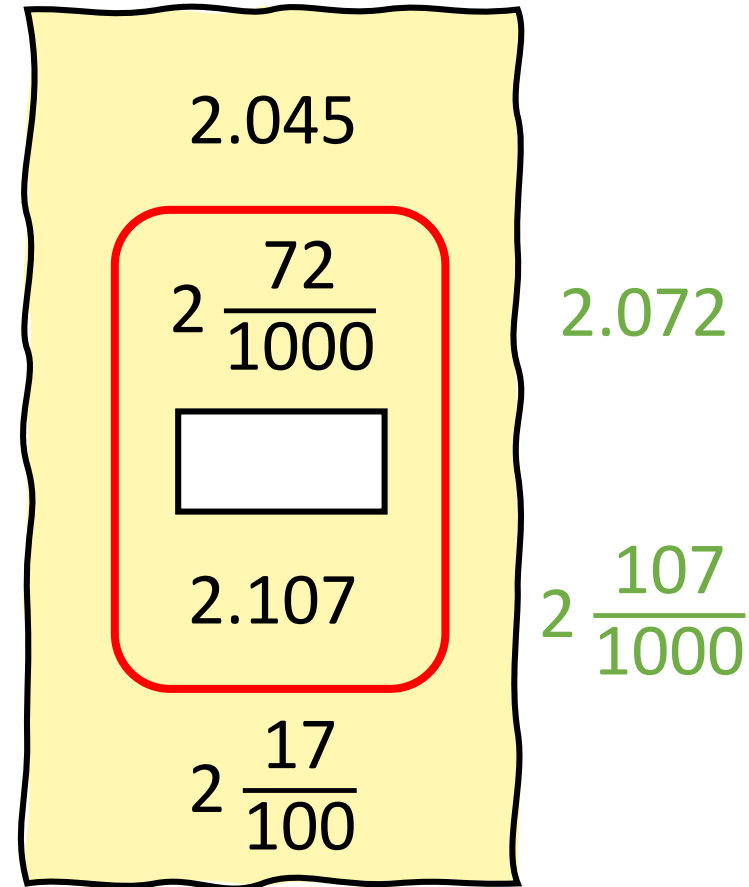


What could the missing number be?

$$2.074 \quad 2\frac{99}{1000} \quad 2\frac{1}{10}$$

What can't the missing number be?

$$2.2 \quad 2\frac{70}{1000} \quad 2\frac{1}{100}$$



Have a think



Discuss

3.1 $3\frac{3}{15}$ 3.201 $3\frac{99}{500}$

$3\frac{1}{3}$ 3.17 $3\frac{1}{5}$

Greater than 3.2	Equal to 3.2	Less than 3.2

3.2 = $3\frac{2}{10}$ = $3\frac{1}{5}$ = $3\frac{3}{15}$ = $3\frac{100}{500}$

Have a think



Discuss

Thurs

Maths Meeting- inverse operations



Write all the other calculations you can make using these three numbers.

$$9862 + 23\ 104 = 32\ 966$$

$$32\ 966 - 9862 = 23\ 104$$

$$32\ 966 - 23\ 104 = 9862$$

$$23\ 104 + 9862 = 32\ 966$$

Can you work out the number in each of these?

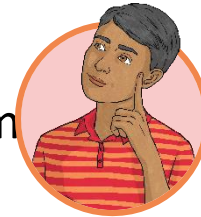
- a) I am thinking of a number. I add 7852 and then subtract 2607. I now have 32 451. What is my number?

27 206 ($32\ 451 + 2607 = 35\ 058$, $35\ 058 - 7852 = 27\ 206$)



- b) I am thinking of a number. I subtract 19 657 and then add 26 205. I now have 61 305. What is my number?

54 757 ($61\ 305 - 26\ 205 = 35\ 100$, $35\ 100 + 19\ 657 = 54\ 757$)



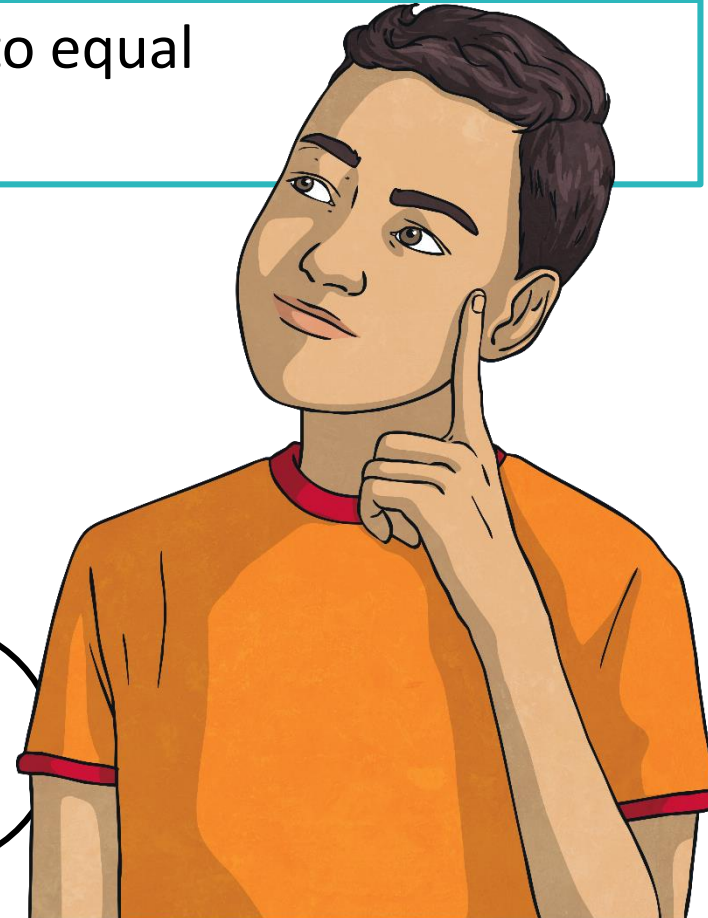
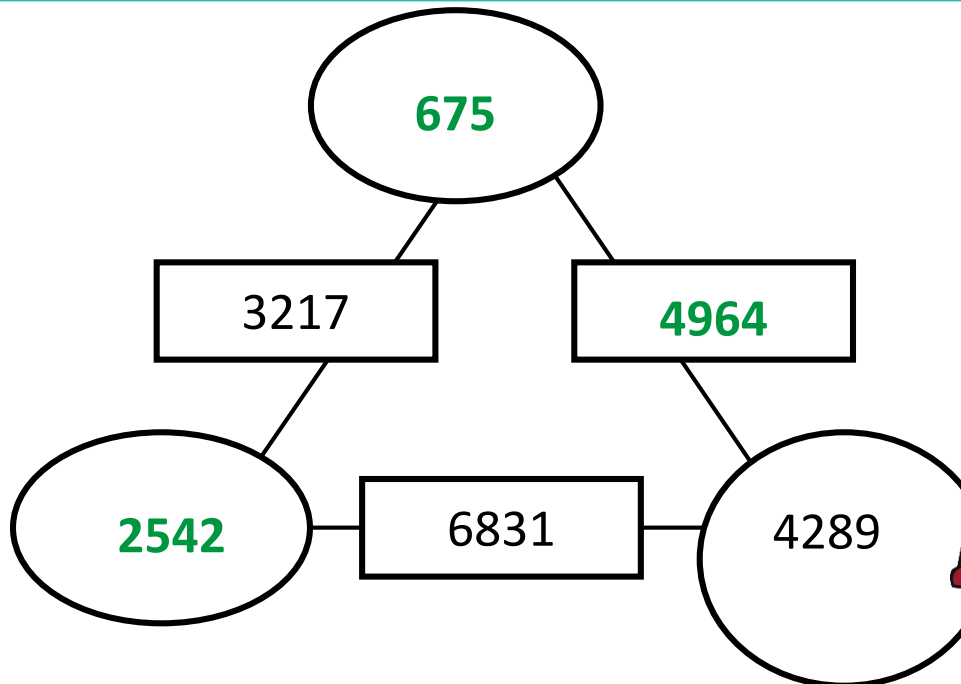
Inverse Operations (Addition and Subtraction)

Deepest



Can you fill in the missing numbers in this arithmagon?

The two corner numbers need to be added to equal the number in the rectangle between them.



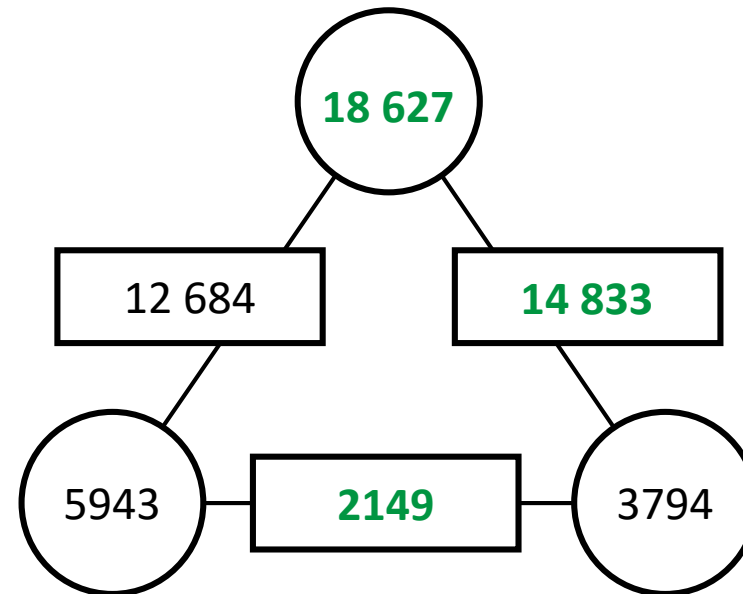
Inverse Operations (Addition and Subtraction)

Deepest



Can you find the missing numbers in this arithmagon?

The number in the rectangle is found by finding the difference between the two corner numbers either side of it.



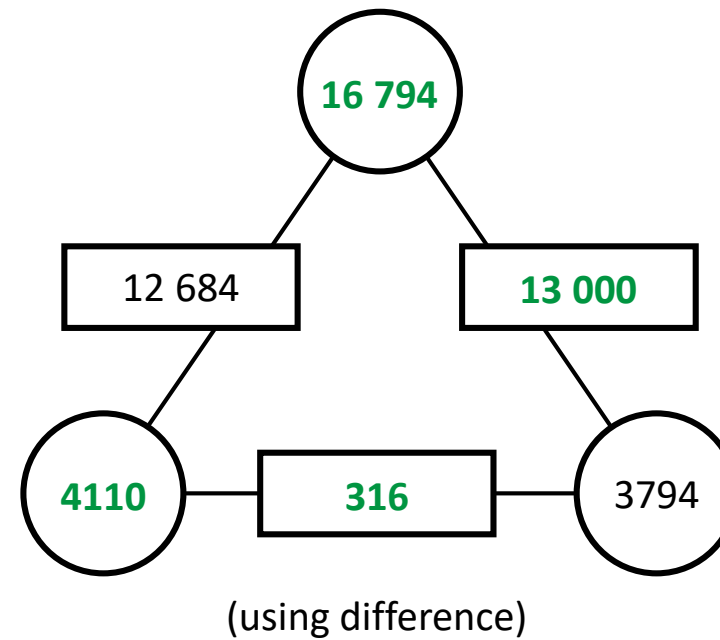
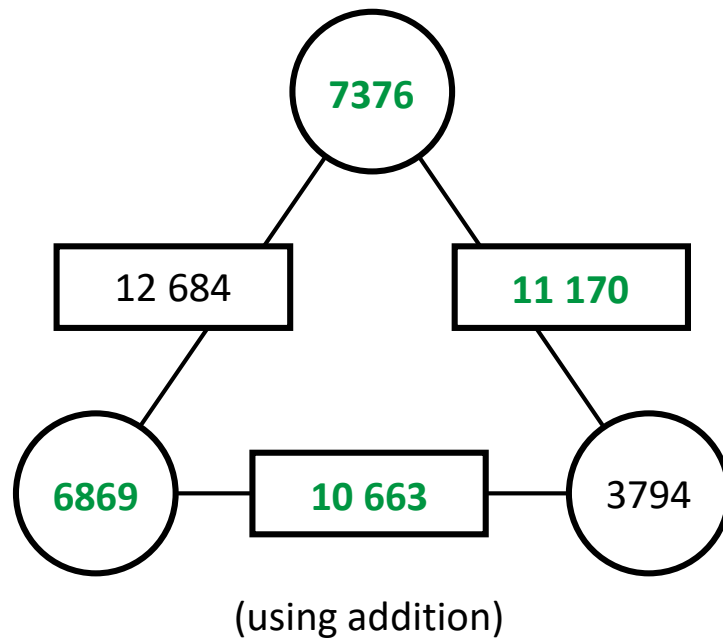
Inverse Operations (Addition and Subtraction)

Deepest



What could the numbers be to complete this arithmagon?

Find 2 possible sets of numbers using addition or difference.



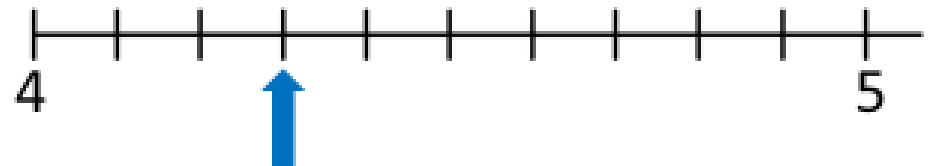
Fri

LO: To round to the nearest whole number

**Starter task ...
whiteboards**

1) Round 36 to the nearest 10

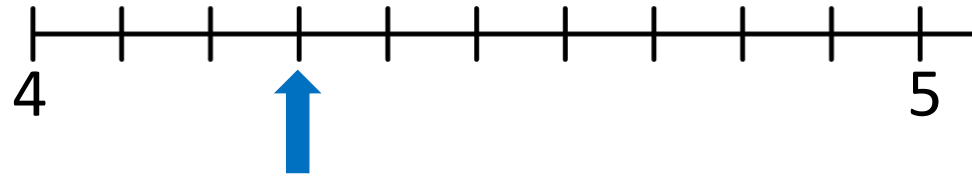
2 a) What number is the arrow pointing to?



b) What is the nearest whole number to 4.3?

1) Round 36 to the nearest 10

2 a) What number is the arrow pointing to?

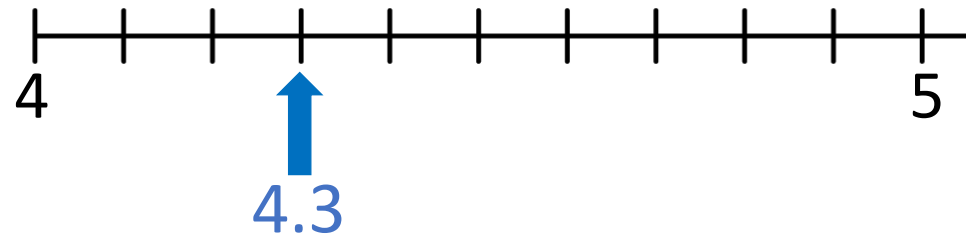


b) What is the nearest whole number to 4.3?

3) How many decimal places are there in the number 5.03?

1) Round 36 to the nearest 10 **40**

2 a) What number is the arrow pointing to?



b) What is the nearest whole number to 4.3?

4

3) How many decimal places are there in the number 5.03? **2**

Term Spring 2 Week beginning 5.3.24

Block Decimals and percentages

Key vocabulary

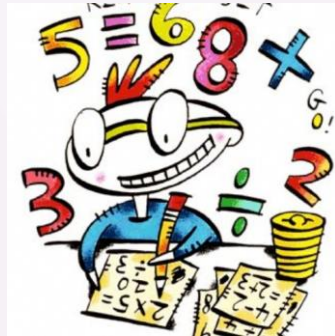
Place value, decimal point, tenths, hundredths, thousandths, representation, equivalent, fractions, factors, percentage, rounding

	WT	EX	S
Decimals up to 2 decimal places			
Equivalent fractions and decimals (tenths)			
Equivalent fractions and decimals (hundredths)			
Equivalent fractions and decimals			
Thousandths as fractions			
Thousandths as decimals			
Thousandths on a place value chart			
Order and compare decimals (same d.p.s)			
Order and compare decimals (up to 3 d.p.s)			
Round to the nearest whole number			
Round to 1 decimal place			
Understand percentages			
Percentages as fractions			
Percentages as decimals			
Equivalent fractions, decimals and percentages			

Stem sentences

- The fraction ____ is equivalent to the decimal ____.
- ____ hundredths is equivalent to ____ tenths.
- If I know that ____ is equivalent to ____, then I also know that ____ is equivalent to ____.
- ____ can be partitioned into ____ + ____ + ____.
- If the digits in the ____ column are the same, I need to look at the ____ column.

Maths Three Repeating Golden Threads



Mastery

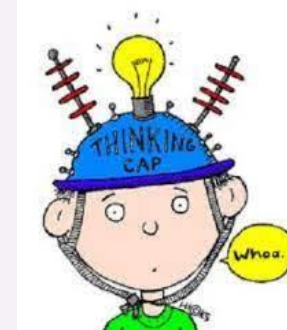
Pupils acquire a deep, long-term, secure adaptable understanding

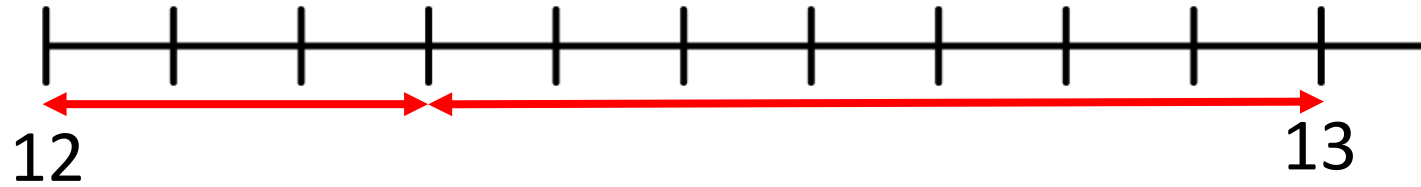
Fluency

Quick and. efficient recall of facts and procedures

Application

The use of maths everyday in the real world, outside the classroom.





12.3



12.3 is between 12 and 13

The nearest whole number to 12.3 is 12

12.3 rounded to the nearest whole number is 12

12.3 is between 12 and 13

The nearest whole number to 12.3 is 12

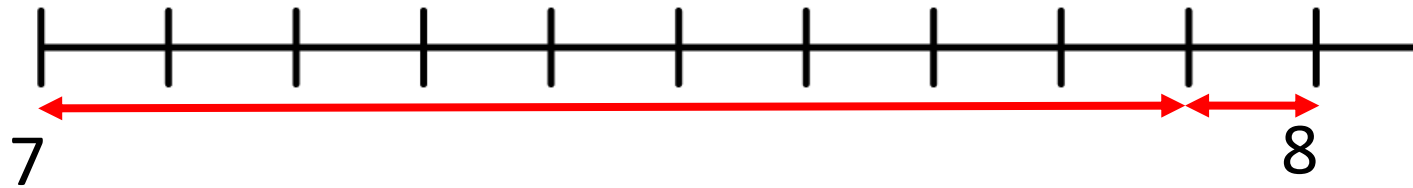
12.3 rounded to the nearest whole number is 12

123 is between 120 and 130

The nearest multiple of 10 to 123 is 120

123 rounded to the nearest ten is 120





7.9

Have a think

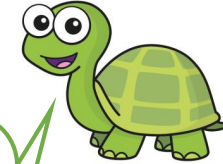


7.9 is between 7 and 8

The nearest whole number to 7.9 is 8

7.9 rounded to the nearest whole number is 8

Tiny makes the number 4.3 using place value counters.



I need to add seven tenths to make 5 but
I need to subtract three tenths to make 4
so 4.3 is closer to 4

Use Tiny's method to decide what integer 5.6
is closer to.



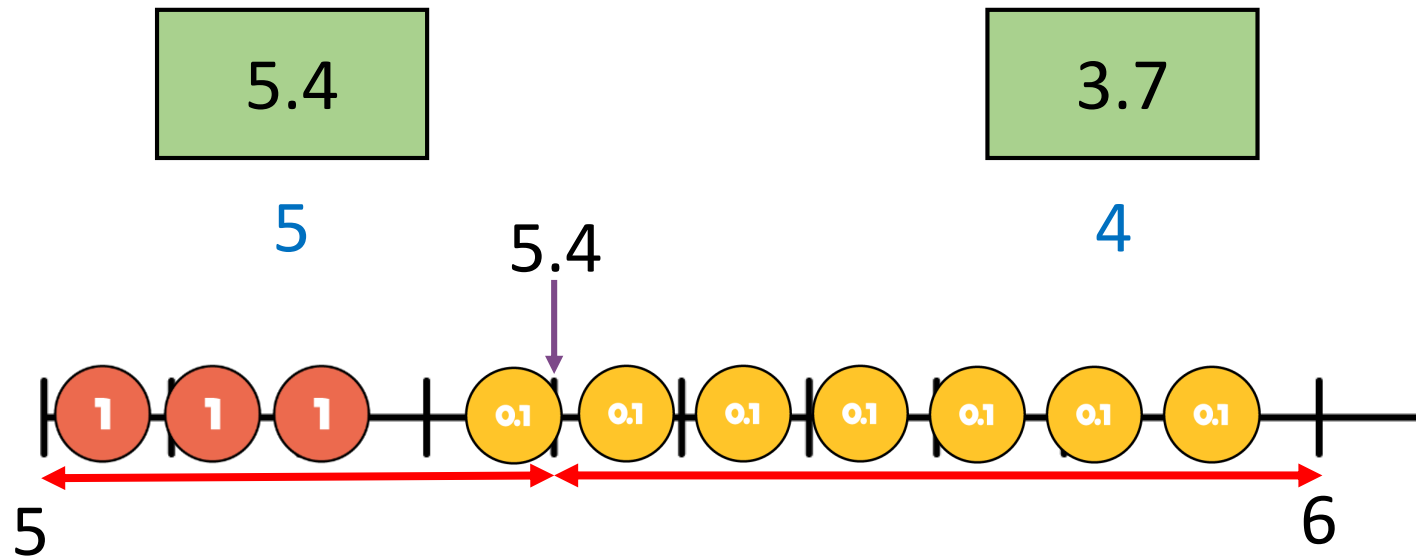
5.6 is six tenths away from 5 but four tenths away
from 6

Have a think



5.6 is closer to 6

Use your preferred method to round each number to the nearest whole number.



I need to subtract seven tenths to get to 3 but I need to add three tenths to get to 4

3.7 is closer to 4

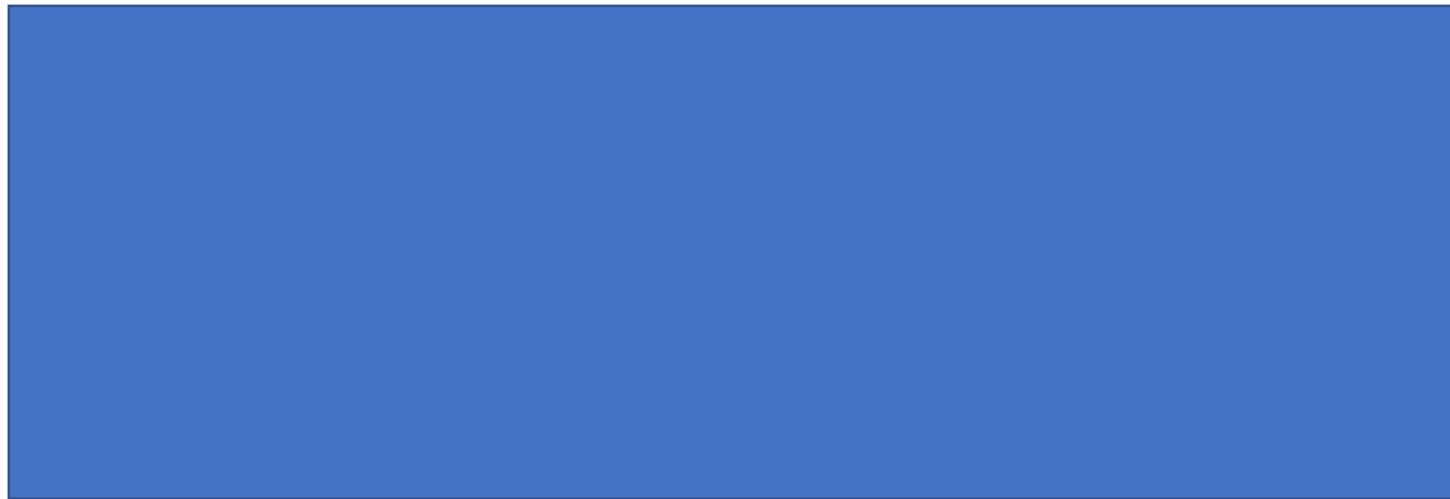
Have a think



Sheets printed- S grp first
side only



Your turn



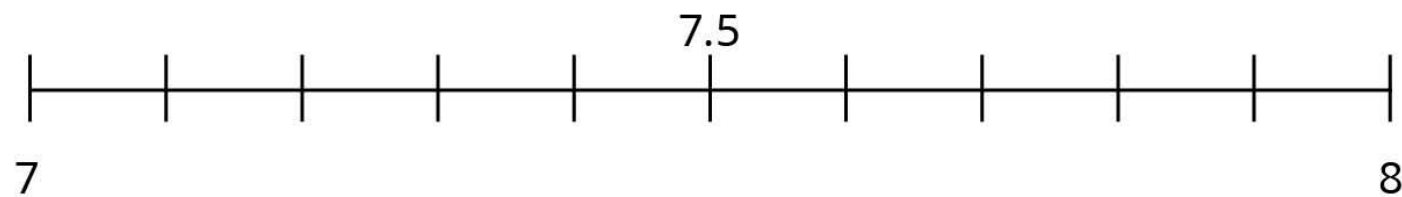
Round to the nearest whole number

1

Show the position of each number on the number line.

Use the number lines to round the decimals to the nearest whole number.

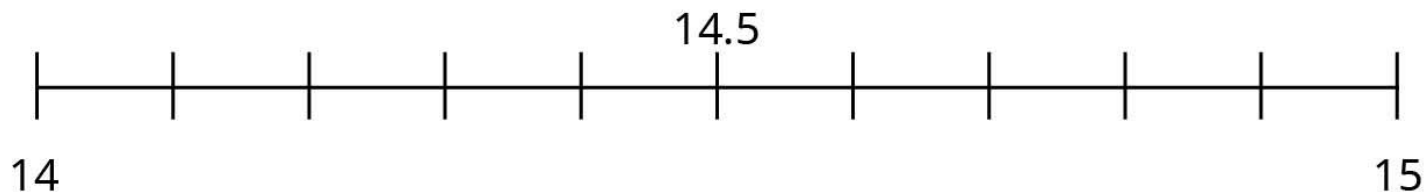
a) 7.2



The nearest whole number is

7.2 rounded to the nearest whole number is

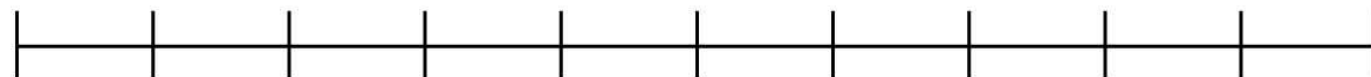
1 **b)** 14.8



The nearest whole number is

14.8 rounded to the nearest whole number is

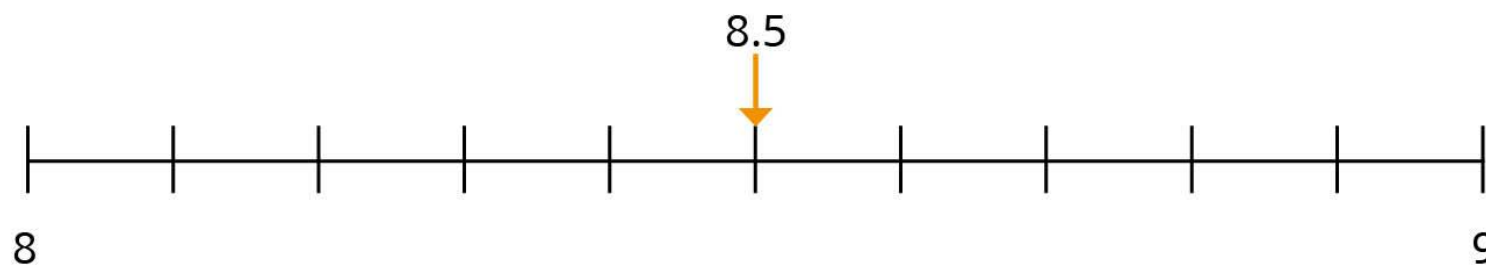
c) 6.4



The nearest whole number is

6.4 rounded to the nearest whole number is

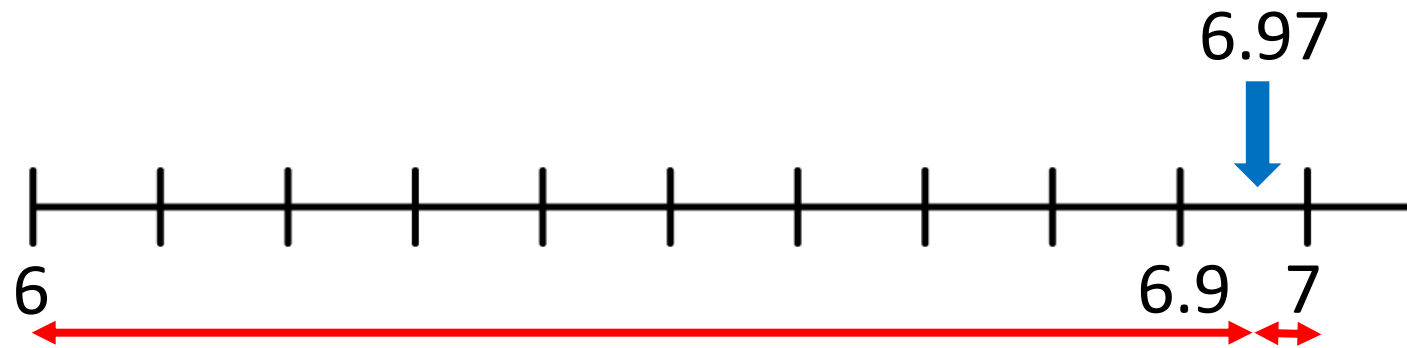
2 Complete the sentence.



8.5 rounded to the nearest whole number is

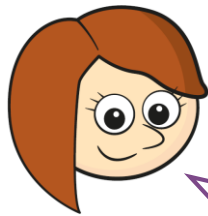
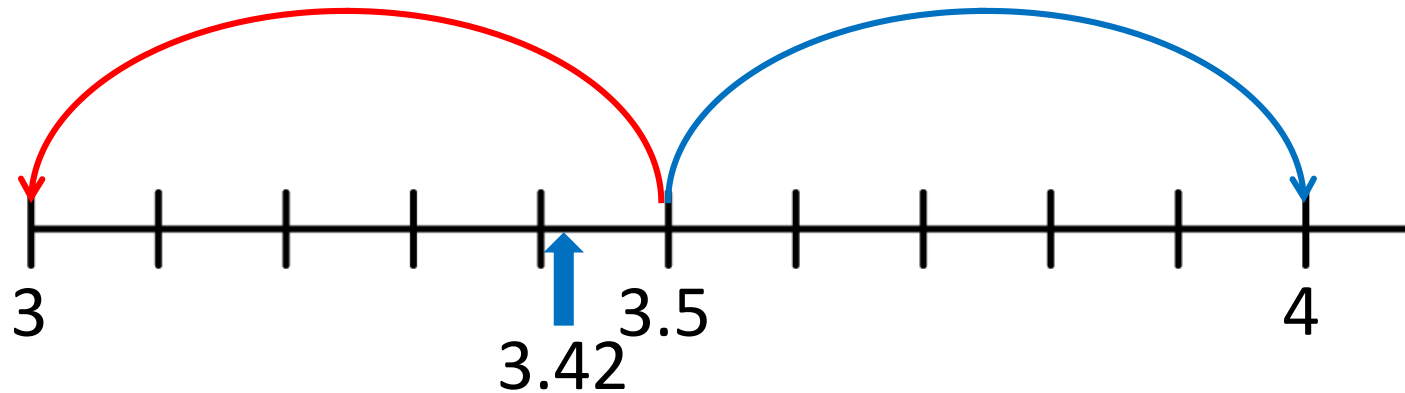
Round 6.9 to the nearest whole number 7

Round 6.97 to the nearest whole number 7



What do you notice about
your answers?

Rosie rounds 3.42 to the nearest whole number.

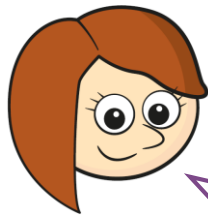
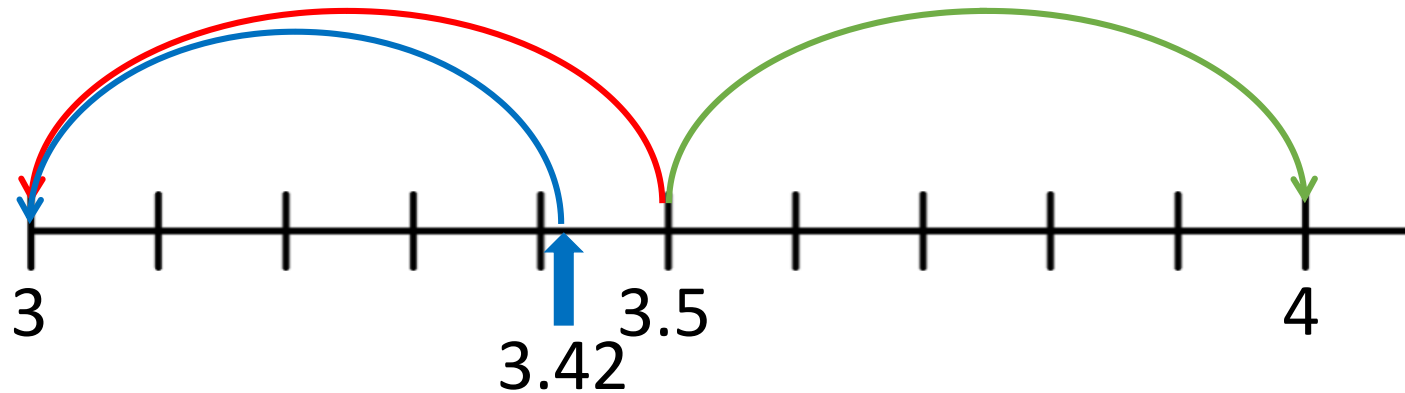


Rosie

I know 3.42 is smaller than 3.5, so the nearest whole number to 3.42 is 3

Why does Rosie's method work?

Rosie rounds 3.42 to the nearest whole number.



Rosie

I know 3.42 is smaller than 3.5, so the nearest whole number to 3.42 is 3

Why does Rosie's method work?

Have a think



Round the numbers to the nearest whole number.

3.78

4

23.48

23

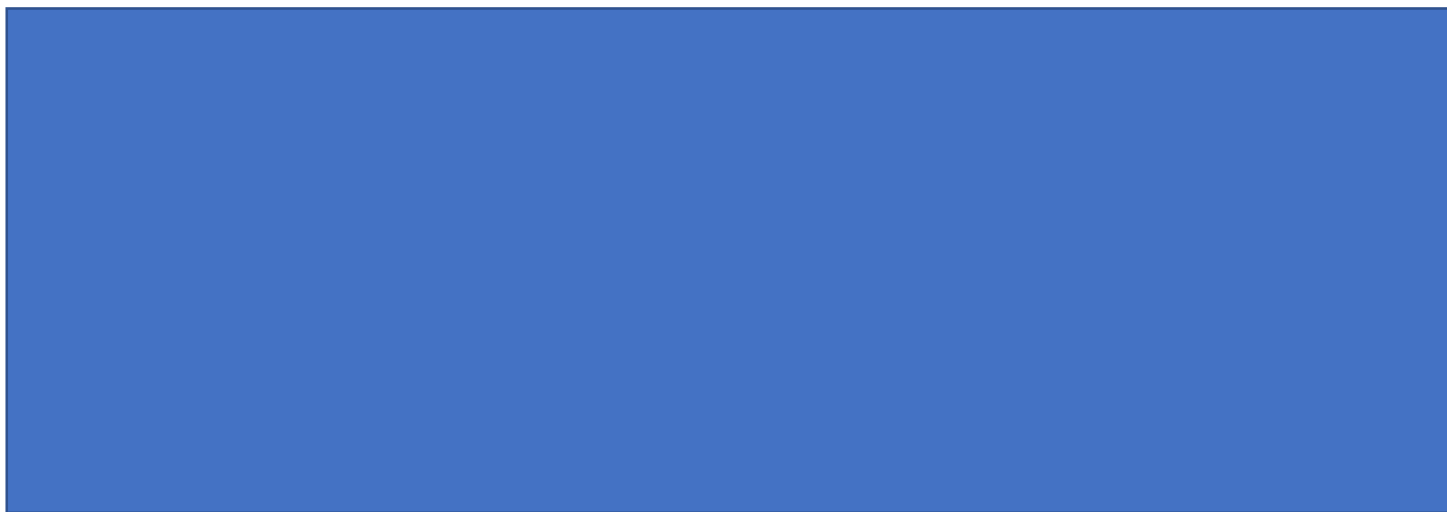
5.91

6

Have a think 



Your turn

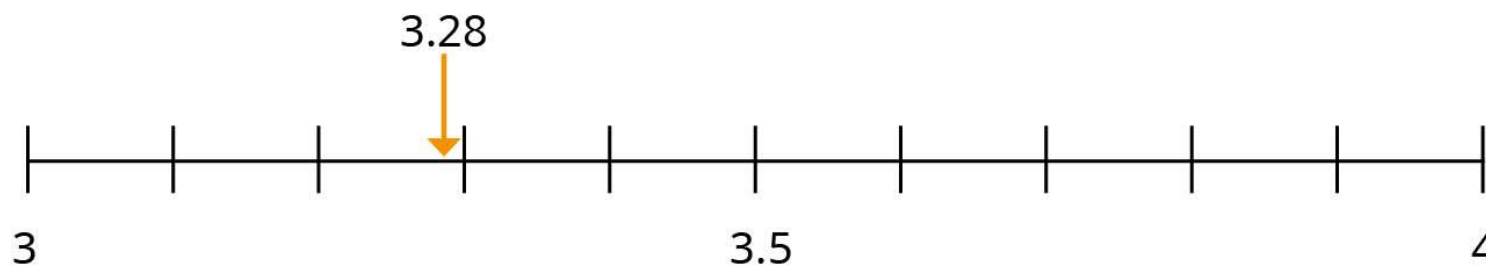


3

Round the numbers to the nearest whole number.

a) 5.1**d)** 0.2**b)** 25.7**e)** 9.5**c)** 0.9**f)** 100.3

4 Here is a number line.



- a)** Explain how the number line shows that 3.28 rounded to the nearest whole number is 3
- b)** Draw arrows to estimate the position of each number on the number line.

3.04 3.76 3.52 3.99

- c)** Round each number to the nearest whole number.

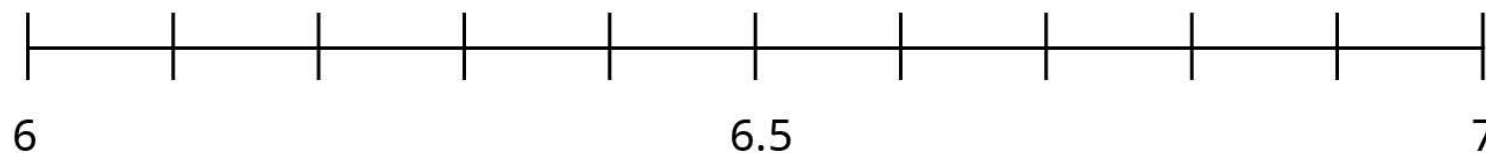
3.04

3.76

3.52

3.99

- 5** a) Draw arrows to estimate the positions of the numbers on the number line.



5 **b)** Use the number line to complete the sentences.

6.18 rounded to the nearest integer is

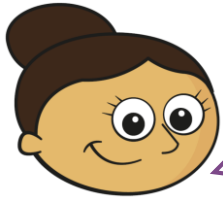
6.85 rounded to the nearest integer is

6.99 rounded to the nearest integer is

6.48 rounded to the nearest integer is

6.51 rounded to the nearest integer is

Dora thinks of a decimal number with 1 decimal place.



Dora

Rounded to the nearest whole number,
my number is 5

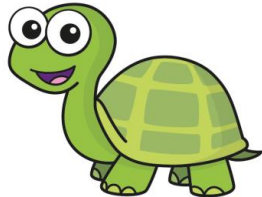
What number could Dora be thinking of?

5.1

5.2

5.3

5.4

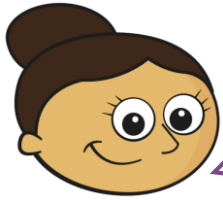


Has Tiny found all
the possibilities?

Have a think



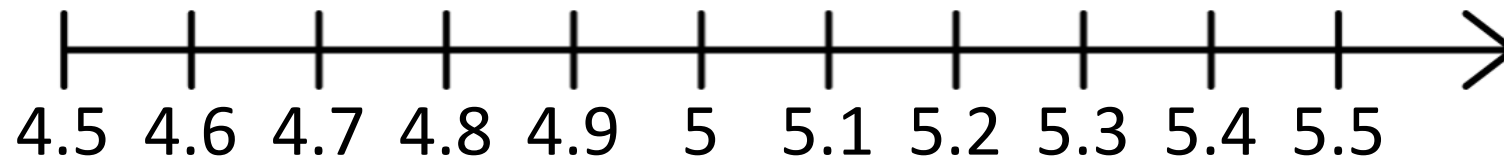
Dora thinks of a decimal number with 1 decimal place.



Dora

Rounded to the nearest whole number,
my number is 5

What is the difference between the greatest and
smallest possible numbers? 0.9



$$5.4 - 4.5 = 0.9$$

Have a think



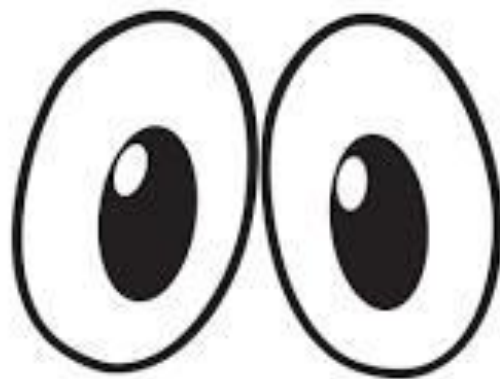


- 6  rounded to the nearest whole number is 17
 is a number with 1 decimal place.
What number could be represented by ?
Find all the possible answers.

Maths Meeting-Friday

Rounding





<https://www.youtube.com/watch?v=3afU6JQG15I>

Rounding to 100

For each of these numbers, write five numbers that can be rounded to the number when rounded to the

300

1500

st

32 900

782 000

Between 250
and 349

Between 1450
and 1549

Between
32 850 and 32
949

Between
781 950 and
782 049

Any number between 9 950 and 10 049

Explain the range of answers for 10 000.

Hide
Answers

Rounding to 1000

Write down the numbers which, when rounded to the nearest thousand, are rounded to 34 000:

33 672

34 829

30 999

34 002

33 903

32 919

34 500

33 499

33 501

34 201

Create your own set of numbers for a partner.

Hide
Answers

Rounding to 10

seventeen



Work with a partner.

Write a number (up to 6 digits) on a small whiteboard (hidden).

Say the number to your partner who must round it to the nearest 10. If they get the answer correct, then it is their turn to write a number.

If your partner guesses an incorrect answer, then you will get a point.

Play to 10 points and then swap partners.

If your partner is finding it difficult, perhaps show them the numbers for a few seconds.

twenty

