Year 4 Home Learning 18.5.20-22.5.20

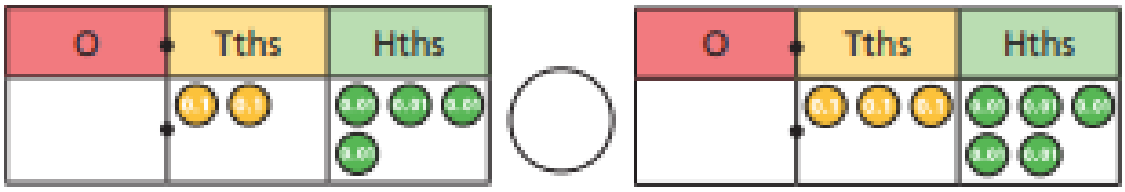
Maths Support Document

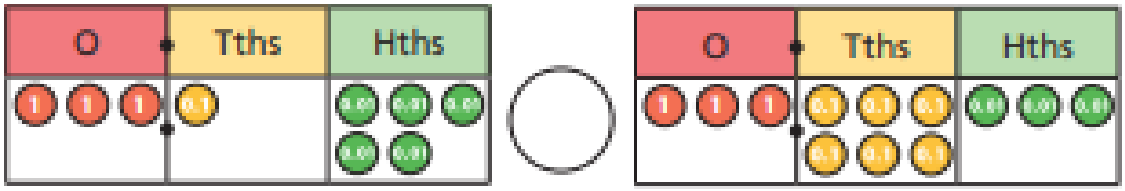
Use the link provided to complete your Maths activities set. You will need to watch the video and then complete the activity afterwards. You will be focusing on Summer Term Week 1 and 2.

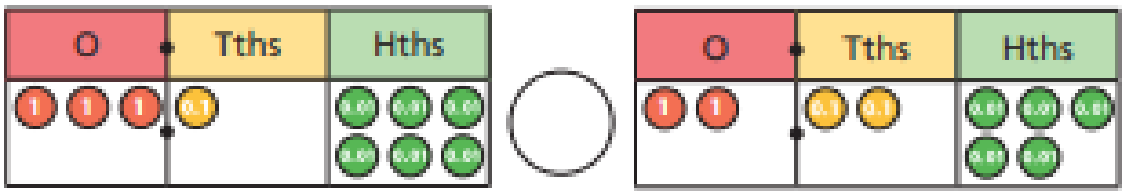
Lesson One: Compare Decimals (Summer Term Week 1 Lesson 3)

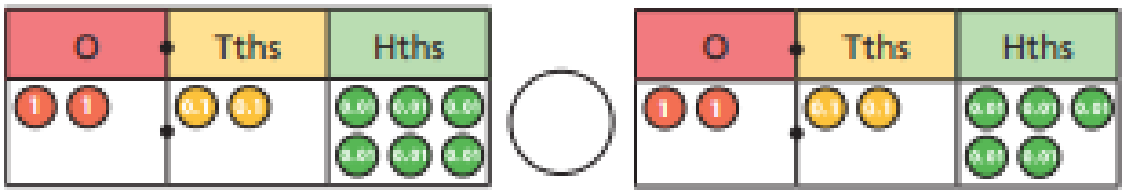
https://whiterosemaths.com/homelearning/year-4/

1 Write < or > to compare the decimals.

a) 

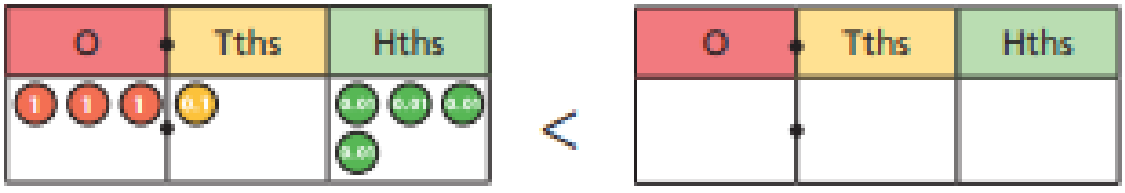
b) 

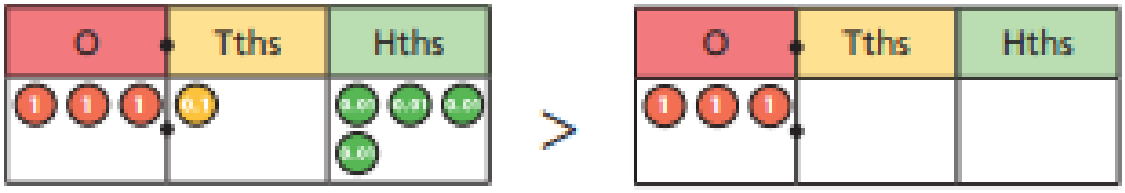
c) 

d) 

Did you have to compare all the columns for every question?

2 Draw counters to make the statements correct.

a) 

b) 

3 Write < or > to compare the decimals.

a)

O	Tths	Hths
7	6	8

◯

O	Tths	Hths
7	0	2

b)

O	Tths	Hths
3	2	5

◯

O	Tths	Hths
3	9	6

c)

O	Tths	Hths
0	4	1

◯

O	Tths	Hths
0	2	9

d)

O	Tths	Hths
1	0	3

◯

O	Tths	Hths
1	2	0

e)

O	Tths	Hths
2	7	2

◯

O	Tths	Hths
2	7	1

4 Complete the place value charts to make the statements correct.

a)

O	Tths	Hths
6	2	8

<

O	Tths	Hths

b)

O	Tths	Hths
3	2	6

>

O	Tths	Hths
3		

c)

O	Tths	Hths
9	9	8

<

O	Tths	Hths

d)

O	Tths	Hths
1	4	6

>

O	Tths	Hths
	8	

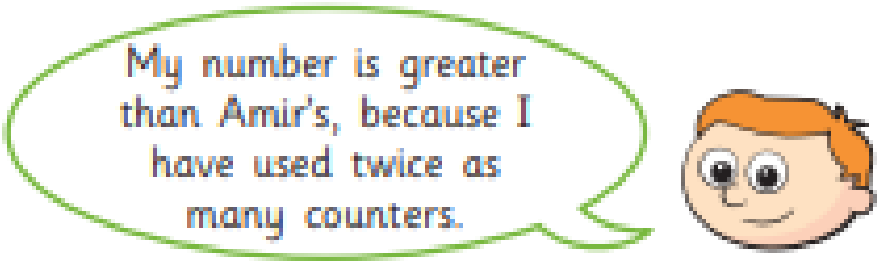
5 Ron and Amir have each made a number using counters on a place value chart.

Ron's looks like this:

Ones	Tenths	Hundredths
	●●●●	●●

Amir's looks like this:

Ones	Tenths	Hundredths
●●●		



Do you agree with Ron? _____

Explain your reasoning.

6 Draw exactly 8 counters in each chart to represent a number that matches each statement.

a) a number less than 0.76

Ones	Tenths	Hundredths

b) a number more than 5.74

Ones	Tenths	Hundredths

c) a number between 5.13 and 5.29

Ones	Tenths	Hundredths

How many different answers are there for each statement?

7 Write < or > to compare the numbers.

a) 3.2 ◯ 3.8

b) 1.46 ◯ 1.43

c) 1 ◯ 0.99

d) 0.16 ◯ 0.8

8 Fill in the missing digits to make the statements correct.

a) 0.34 < 0.3__

b) 2.42 > 2.4__

c) 0.74 < 0.__2

d) 1.3__ < 1.3__

e) 2.__2 > 2.__2

f) 0.8__ < 0.__9

Is there more than one answer for each?

9 Here are four digit cards.

7	0	3	1

Use each digit card once to make this statement correct.

□.□ > □.□

How many possible answers are there?

Lesson 2: Order Decimals (Summer Term Week 1 Lesson 4)

https://whiterosemaths.com/homelearning/year-4/

1 Here are four numbers on place value charts.

a) What number is represented in each place value chart?

A

B

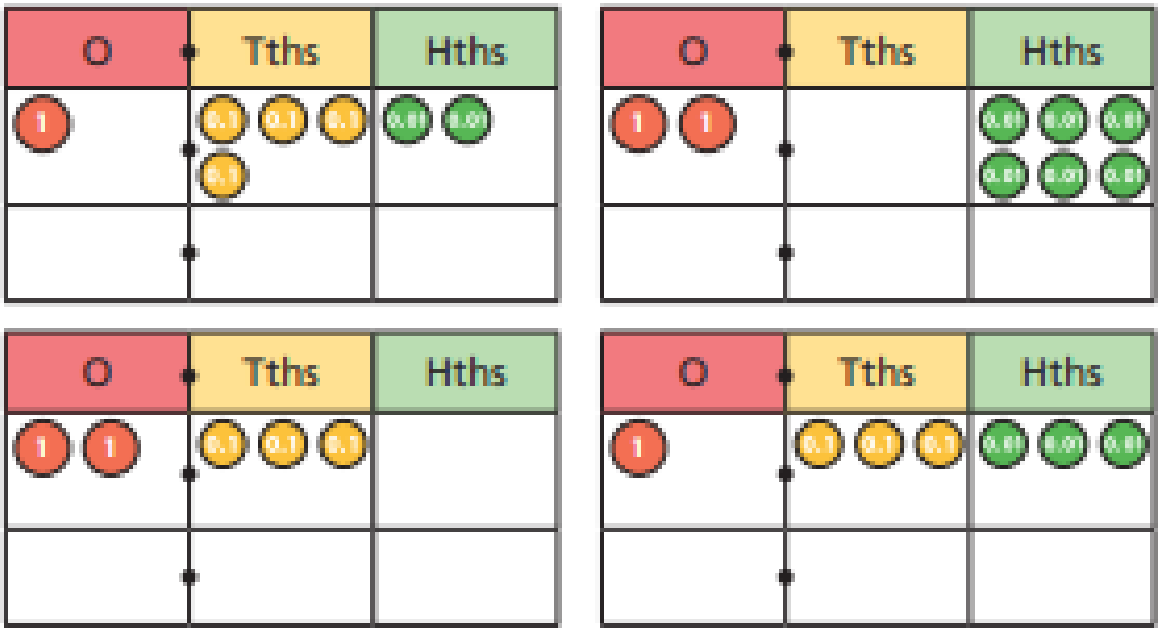
C

D

b) Write the numbers in ascending order.

smallest _____ greatest

2 **a)** Write digits to show the number represented in each place value chart.



b) Write the numbers in ascending order.

_____

3 Write the numbers in descending order.

1.42	4.12	1.24	2.41

_____

4 Teddy's teacher asks him to put some numbers in ascending order.

Here is his answer.

0.64	12.7	2.83

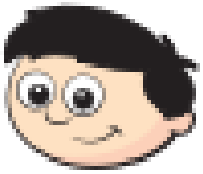
Do you agree with Teddy? _____

Talk about it with a partner.

5 Annie and Dexter are comparing the decimals 4.12 and 4.8

Annie

4.12 is greater than 4.8, because 12 is bigger than 8



4.12 is smaller than 4.8, because 12 hundredths is less than 8 tenths.

Dexter

Who do you agree with? _____

Explain your answer.

6 Write < or > to complete the statements.

Decide whether the numbers are ascending or descending in each part.

a) 3.2 ◯ 3.8 ◯ 3.9 _____

b) 0.41 ◯ 0.38 ◯ 0.25 _____

c) 4.2 ◯ 4.17 ◯ 4.085 _____

7 Write the numbers in ascending order.

a) 2.38 0.97 1.45 1.81

_____

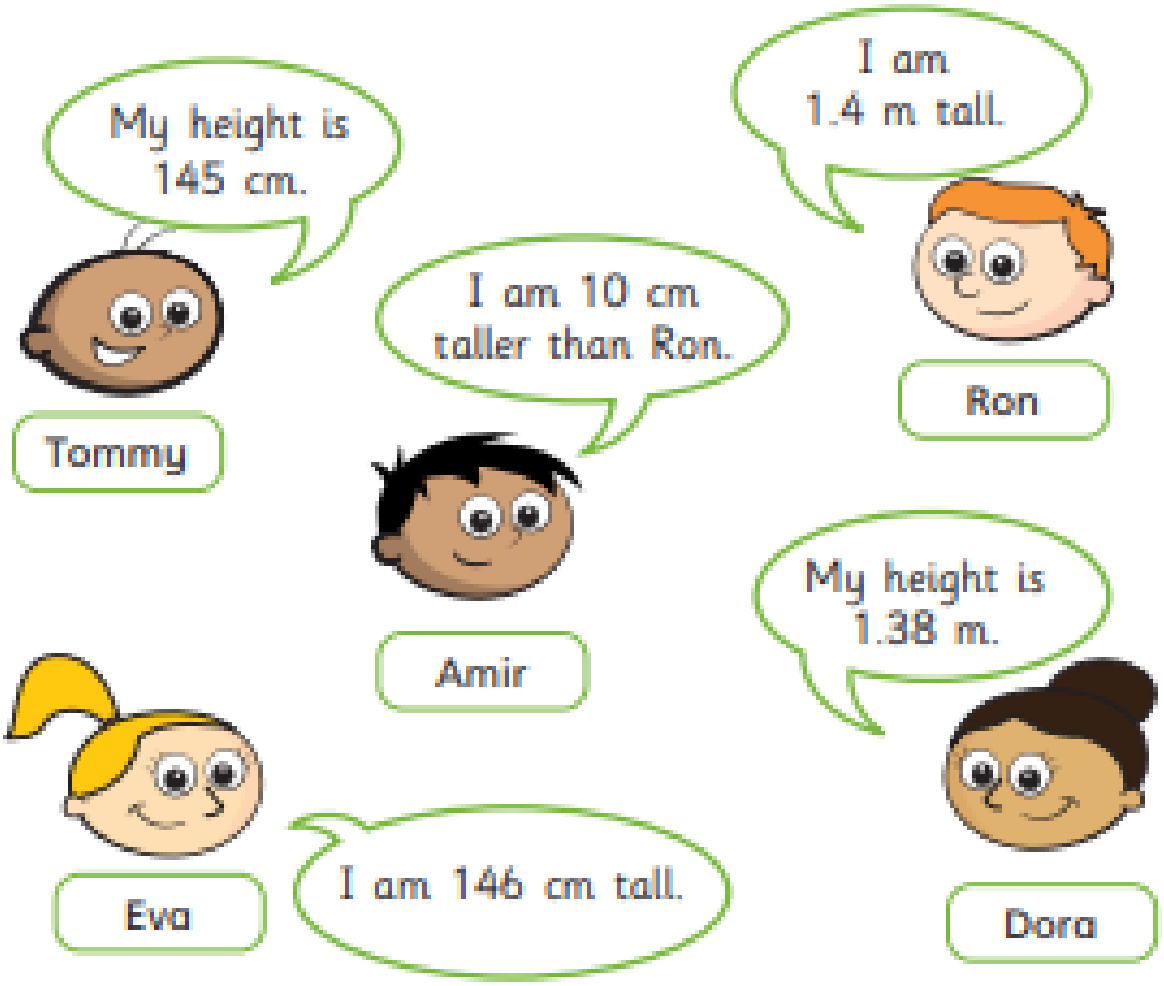
b) 0.64 0.7 0.09 0.46

_____

c) 12.3 2 7.83 0.99

_____

8 Tommy, Ron, Amir, Dora and Eva have measured their heights.



Write the children's names in order from shortest to tallest.

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9 Here are two lists of numbers.

Use the digits 0 to 9 once each to complete the lists.

ascending order	__.4__	__.41	7.__9	__.41
descending order	__.41	7.__9	__.41	__.4__

Compare answers with a partner.

Is there more than one way to complete each list?

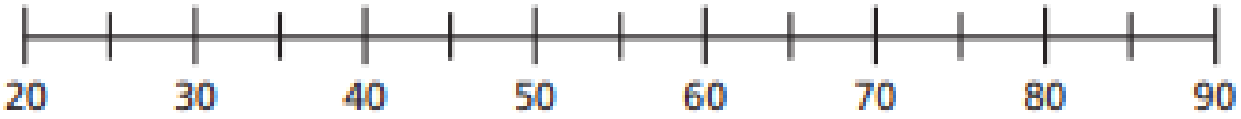
Lesson 3: Round Decimals (Summer Term Week 2 Lesson 1)

https://whiterosemaths.com/homelearning/year-4/

1 Here are some number cards.

27	61	49	83

a) Draw arrows to estimate the position of the numbers on the number line.



b) Use the numbers to complete the sentences.

☐ is closer to 50 than 40

☐ is closer to 30 than 20

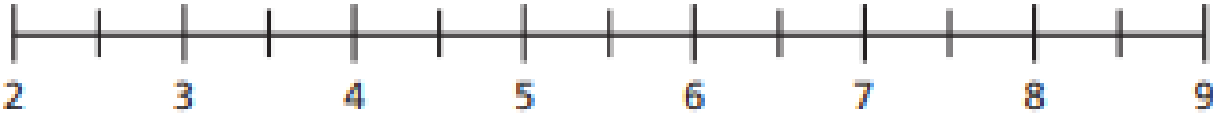
☐ is closer to 80 than 90

☐ is closer to 60 than 70

2 Here are some number cards.

2.7	6.1	4.9	8.3

a) Draw arrows to estimate the position of the numbers on the number line.



b) Use the numbers to complete the sentences.

☐ is closer to 5 than 4

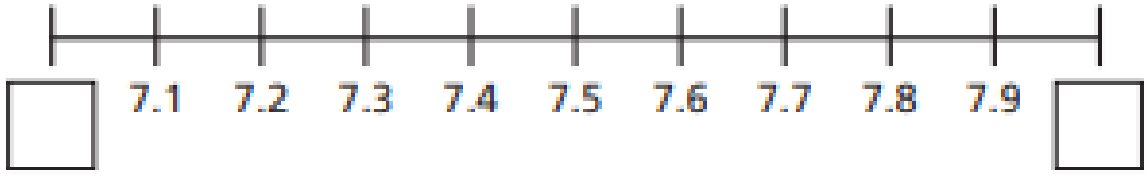
☐ is closer to 3 than 2

☐ is closer to 8 than 9

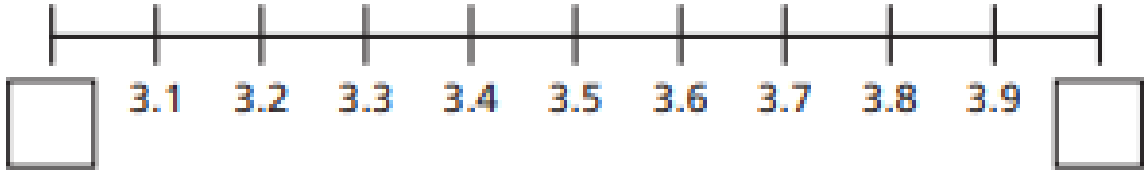
☐ is closer to 6 than 7

3 Fill in the integers on the number lines.

a)



b)



4 Which integers do the numbers lie between?

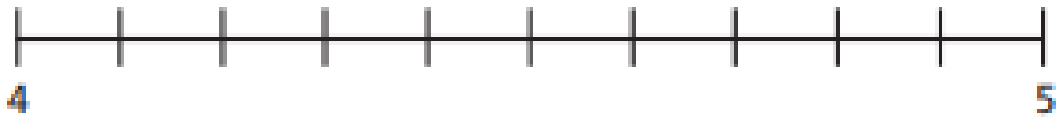
Fill in the boxes to make the statements correct.

a) ☐ < 1.4 < ☐

b) ☐ < 34.8 < ☐

c) ☐ < 0.7 < ☐

5 **a)** Label 4.3 on the number line.



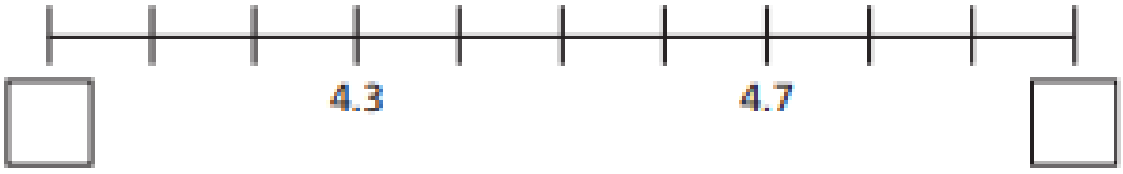
Is it closer to 4 or 5? ☐

b) Label 12.8 on the number line.

Is it closer to 12 or 13? ☐

6 Complete the number lines and sentences.

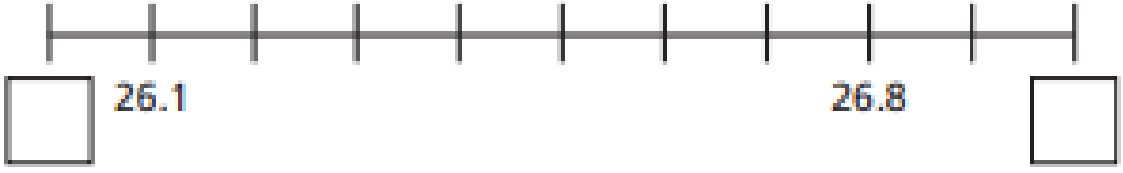
a)



☐ is closer to ☐ than ☐

☐ is closer to ☐ than ☐

b)



☐ is closer to ☐ than ☐

☐ is closer to ☐ than ☐

7 Which numbers **round up** to the nearest whole number?

Circle your answers.

4.1 **2.8** **0.7** **12.3** **0.5** **99.3**

8 Round each decimal to the nearest whole number.

a) 1.8 ☐

b) 4.2 ☐

c) 0.9 ☐

d) 1.5 ☐

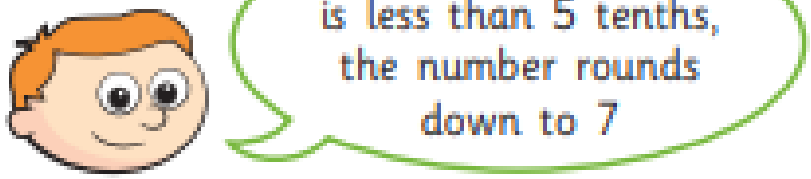
e) 13.7 ☐

f) 20.1 ☐

g) 0.4 ☐

h) 99.8 ☐

9 Ron is rounding 8.2 to the nearest whole number.



Do you agree with Ron? _____

Explain your answer.

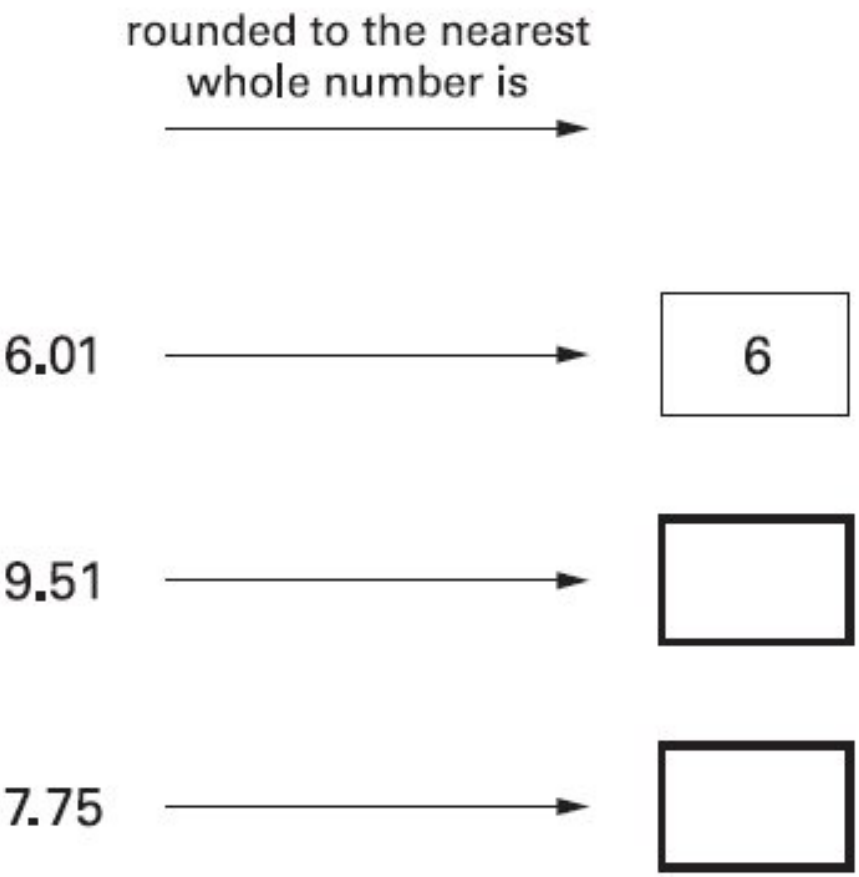
10 Tommy is thinking of a number that has one decimal place.

When he rounds his number to the nearest whole, the answer is 32

What number could Tommy be thinking of? ☐

Are there any other answers?

Extension/Challenge: Test Style Questions



Round the following numbers.

540 to the nearest 100

236 to the nearest 10

$1\frac{3}{4}$ to the nearest whole number

In each box, circle the number that is **greater**.

$1\frac{1}{2}$	1.2
$1\frac{1}{4}$	1.3
$1\frac{5}{100}$	1.4
$1\frac{3}{5}$	1.5