DECIMALS – DAY 4

To be able to order numbers
with up to two decimal places
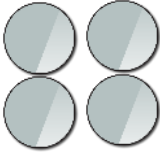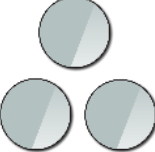
SUCCESS CRITERIA
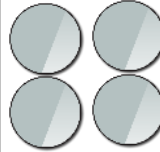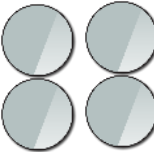
✓I can use mathematical equipment and pictorial representations, such as place value charts, to help me compare numbers with up to two decimal places.

✓I can explain my reasoning when using mathematical equipment and pictorial representations, such as place value charts, to help me compare numbers with up to two decimal places.

STARTER

If the tables shown are the second and third steps in a sequence, what comes before and what comes afterwards?
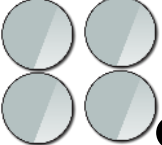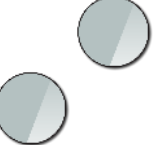
1s	0.1s	0.01s

1s	0.1s	0.01s
4	0	3

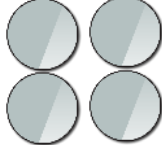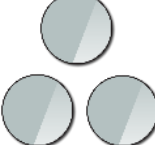| 1s	0.1s	0.01s
4	0	4

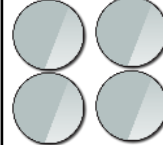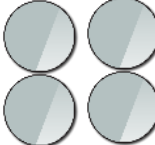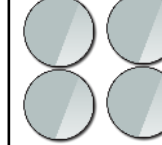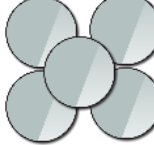| 1s	0.1s	0.01s

Fill in the tables.

Explain your answer.

STARTER

If the tables shown are the second and third steps in a sequence, what comes before and what comes afterwards?


Each step shows the number increasing by 1 hundredth, as the second step shows 4.03 and the third step shows 4.04. So, the sequence is 4.02, 4.03, 4.04, 4.05.
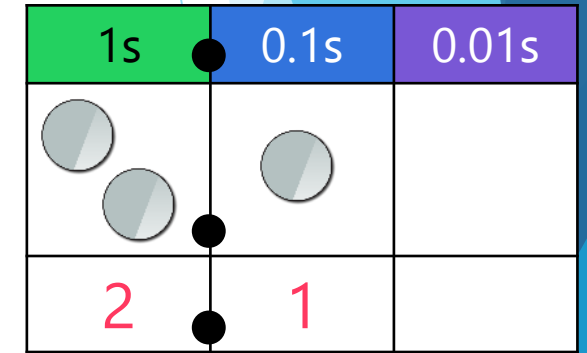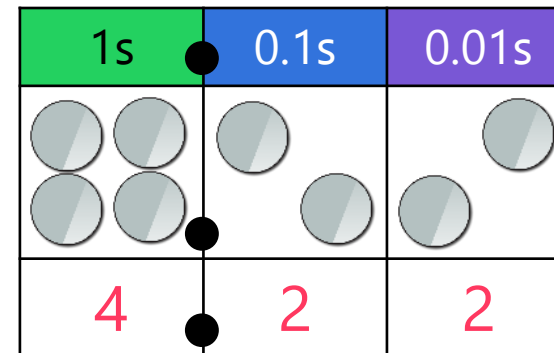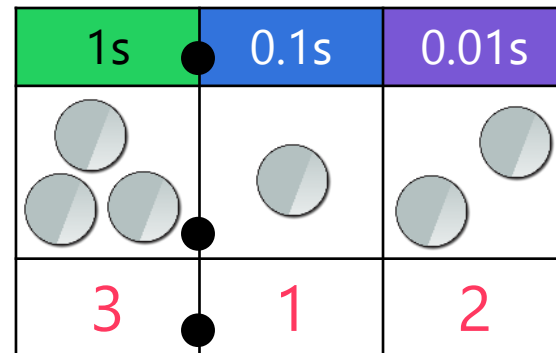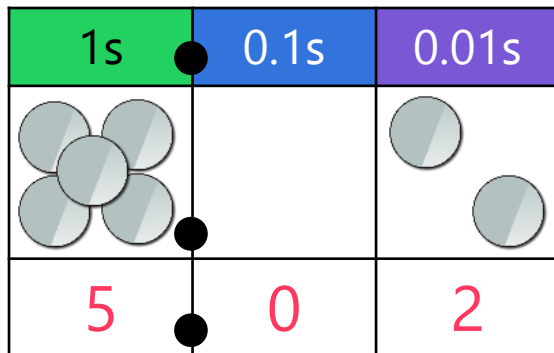
TALKING TIME

Write down the value of each of the numbers shown in the place value charts, then place the numbers in ascending order in the cards below.

TALKING TIME

Write down the value of each of the numbers shown in the place value charts, then place the numbers in ascending order in the cards below.

1s	0.1s	0.01s
5	0	2

1s	0.1s	0.01s
3	1	2

1s	0.1s	0.01s
4	2	2

1s	0.1s	0.01s
2	1	
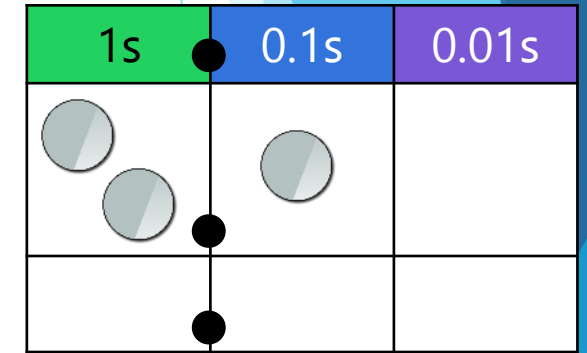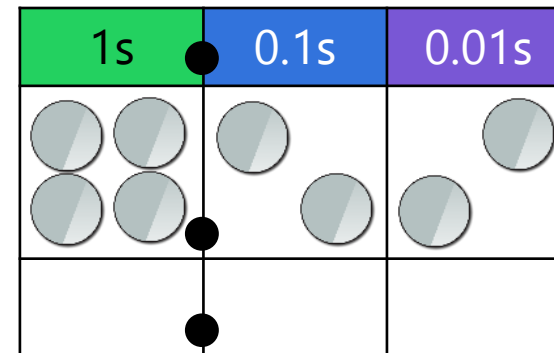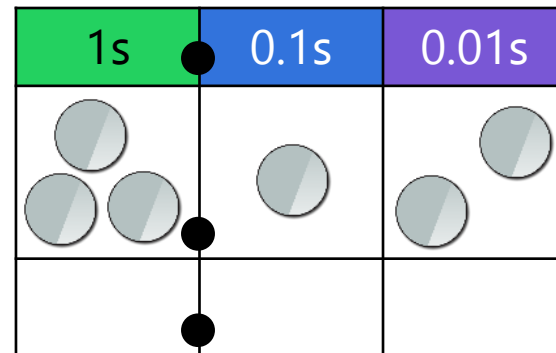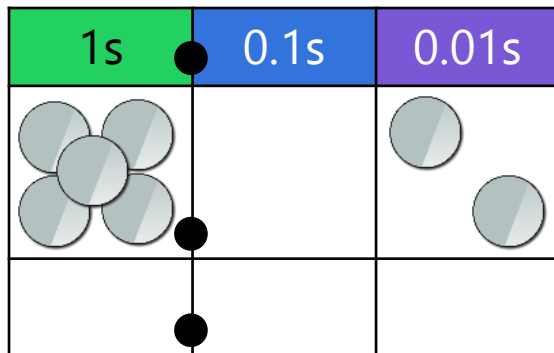
2.1	3.12	4.22	5.02

TALKING TIME

Write down the value of each of the numbers shown in the place value charts, then place the numbers in ascending order in the cards below.

TALKING TIME

Write down the value of each of the numbers shown in the place value charts, then place the numbers in ascending order in the cards below.
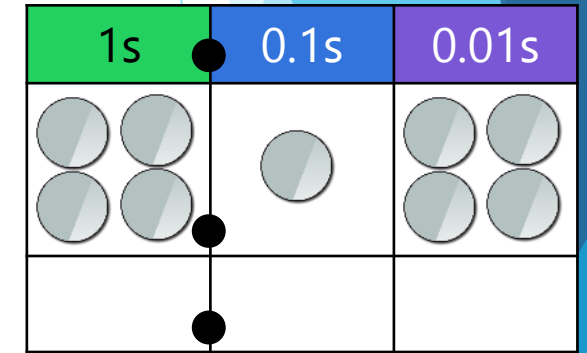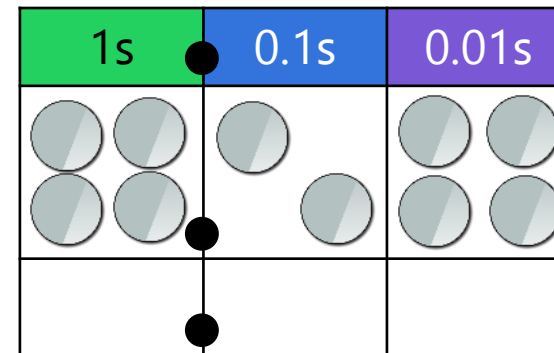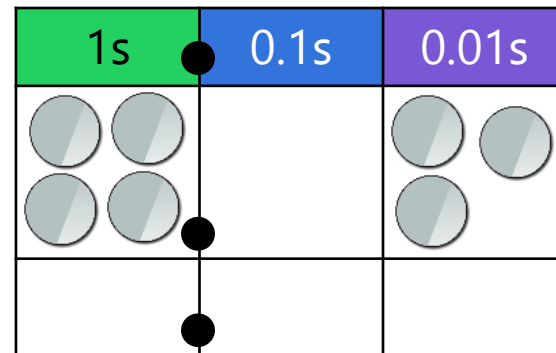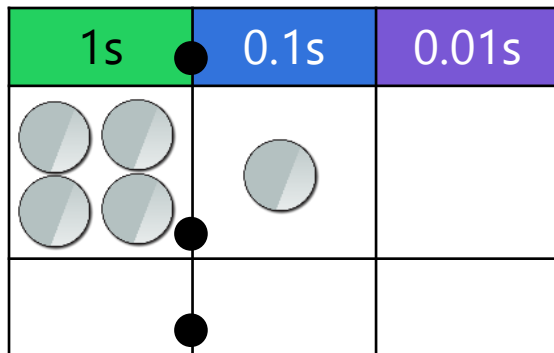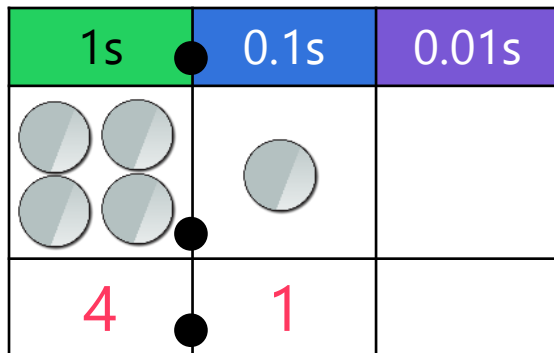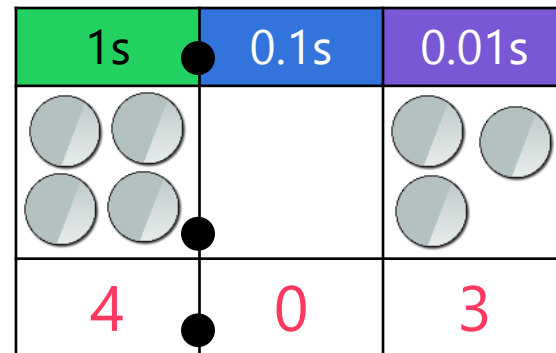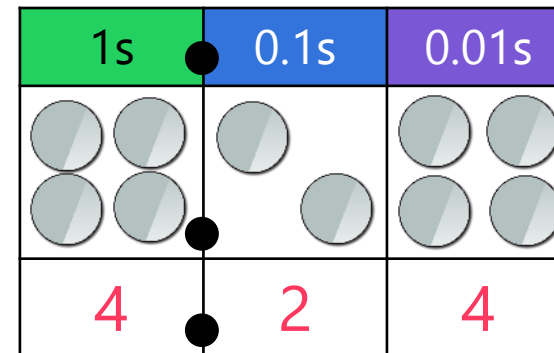
1s	0.1s	0.01s
4	1	

1s	0.1s	0.01s
4	0	3

1s	0.1s	0.01s
4	2	4

1s	0.1s	0.01s
4	1	4

4.03	4.1	4.14	4.24

ACTIVITY 1

Write down the value of each of the numbers shown in the place value charts, then place the numbers in ascending order in the cards below.

ACTIVITY 1

Write down the value of each of the numbers shown in the place value charts, then place the numbers in ascending order in the cards below.

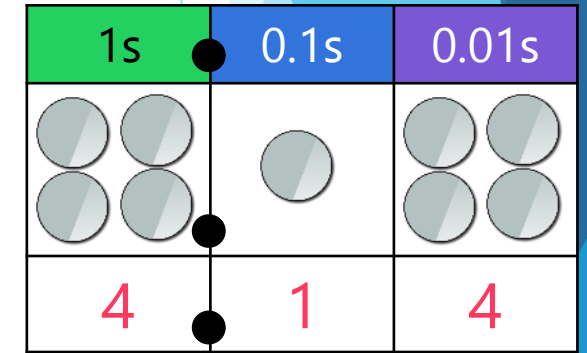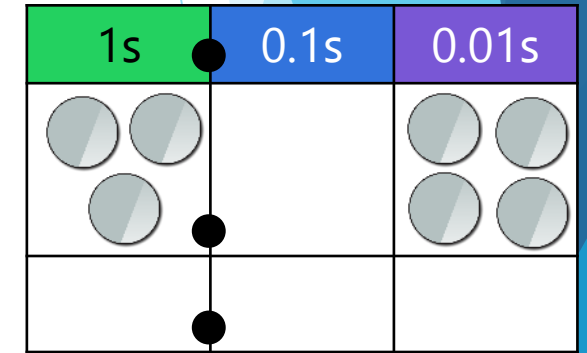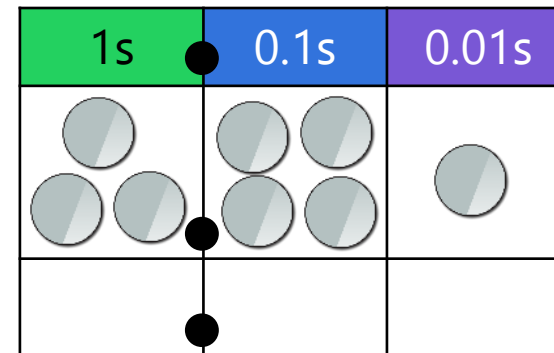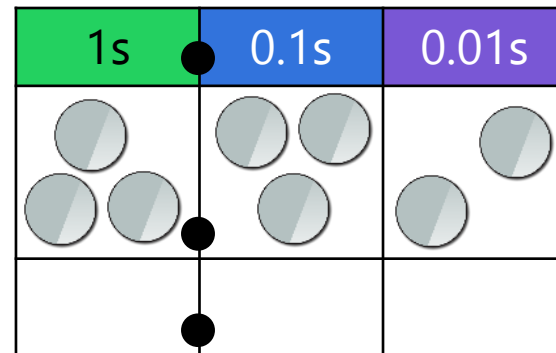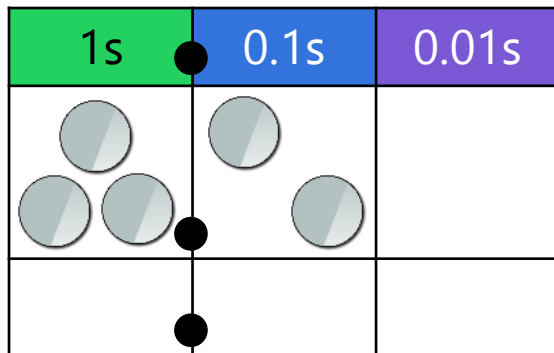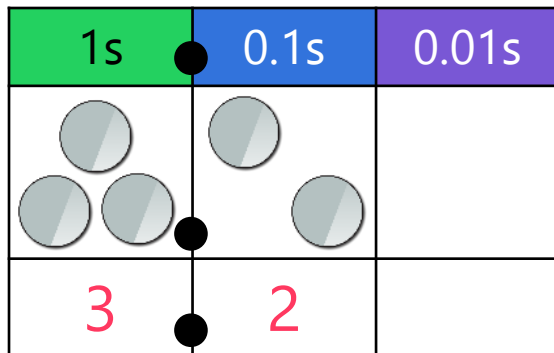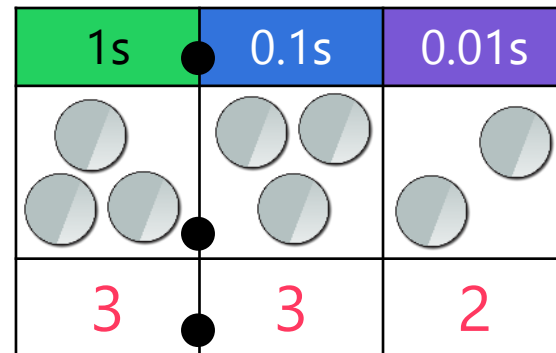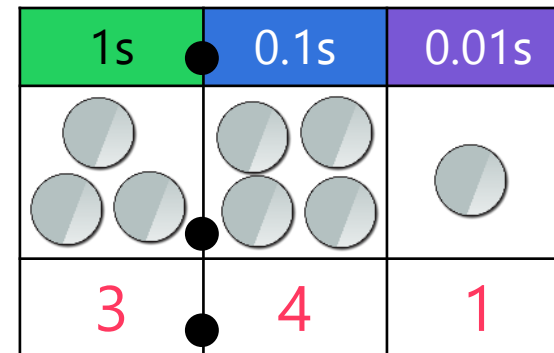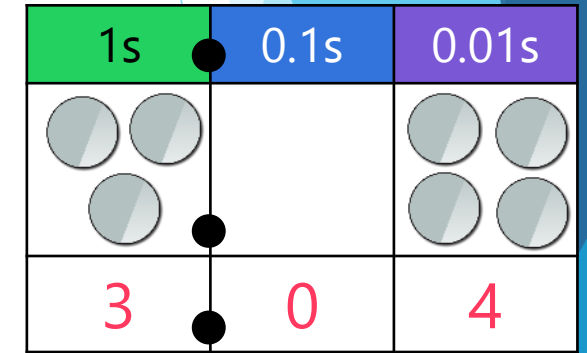| 1s	0.1s	0.01s
3	2	

1s	0.1s	0.01s
3	3	2

1s	0.1s	0.01s
3	4	1

1s	0.1s	0.01s
3	0	4

3.04

3.2

3.32

3.41

TALKING TIME

Place the following numbers in descending order.

23.4	13.2	23.04	32.41

TALKING TIME

Place the following numbers in descending order.

23.4	13.2	23.04	32.41
32.41	23.4	23.04	13.2

TALKING TIME

Place the following numbers in descending order.

46.5	56.04	64.35	4.06

TALKING TIME

Place the following numbers in descending order.

46.5	56.04	64.35	4.06
64.35	56.04	46.5	4.06

ACTIVITY 2

Place the following numbers in descending order.

87.09	97.8	7.98	98.07

ACTIVITY 2

Place the following numbers in descending order.

| 87.09 | 97.8 | 7.98 | 98.07 |

| 98.07 | 97.8 | 87.09 | 7.98 |

TALKING TIME

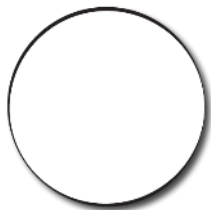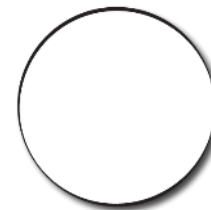Complete the statements using the comparison symbols, <, > or =.
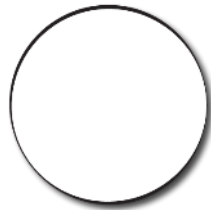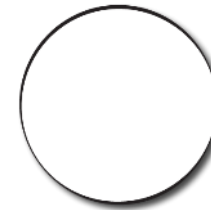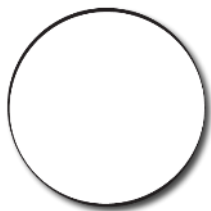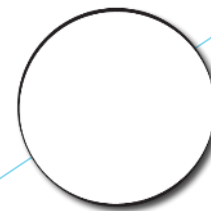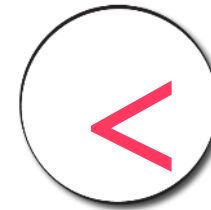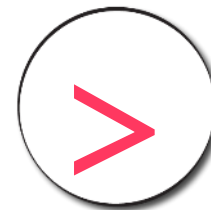
2.21 ◯ 2.22 ◯ 2.23

4.34 ◯ 4.58 ◯ 4.27

5.53 ◯ 5.42 ◯ 5.32

TALKING TIME

Complete the statements using the comparison symbols, <, > or =.

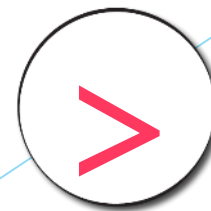2.21   **<**   2.22   **<**   2.23

4.34   **<**   4.58   **>**   4.27

5.53   **>**   5.42   **>**   5.32
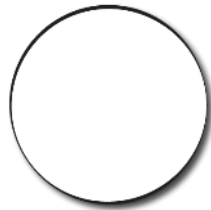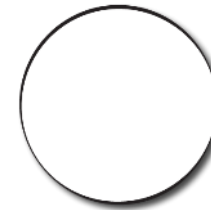
TALKING TIME

Complete the statements using the comparison symbols, <, > or =.
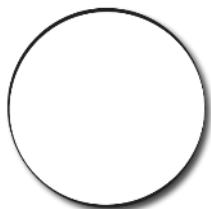
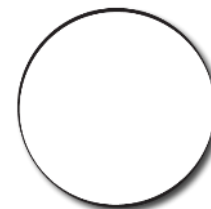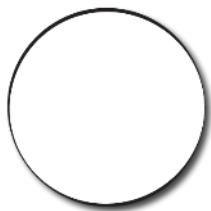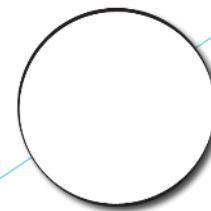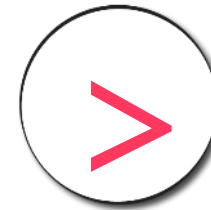4.49　◯　4.47　◯　4.45

6.07　◯　6.01　◯　6.14

8.47　◯　8.67　◯　8.79

TALKING TIME

Complete the statements using the comparison symbols, <, > or =.
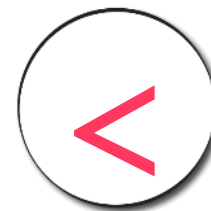
$$4.49 > 4.47 > 4.45$$

$$6.07 > 6.01 < 6.14$$

$$8.47 < 8.67 < 8.79$$

ACTIVITY 3

Complete the statements using the comparison symbols, <, > or =.
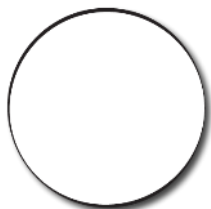
5.52   ⬭   5.54   ⬭   5.56

7.1   ⬭   7.15   ⬭   7.12

9.57   ⬭   9.43   ⬭   9.49
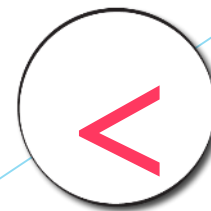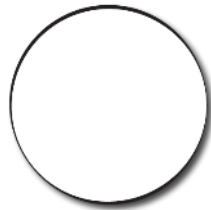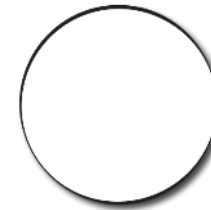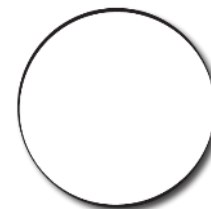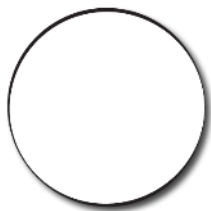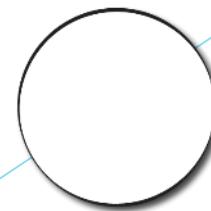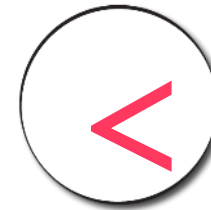
ACTIVITY 3

Complete the statements using the comparison symbols, <, > or =.

5.52 < 5.54 < 5.56
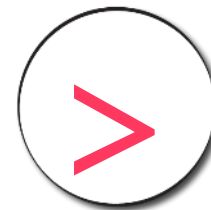
7.1 < 7.15 > 7.12

9.57 > 9.43 < 9.49
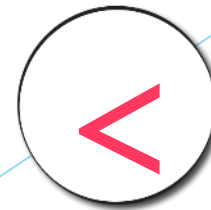
Complete the statements by choosing an appropriate digit to fill the blanks.

0.13   >   0.1_   >   0.1_
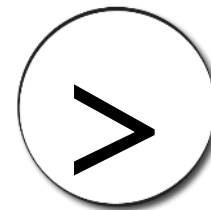
2.9_   <   2._2   >   3.01
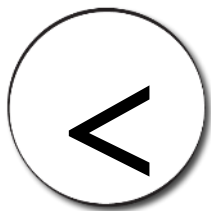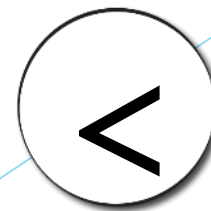
3.43   <   3._3   <   3.63
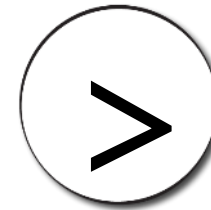
TALKING TIME

Complete the statements by choosing an appropriate digit to fill the blanks.
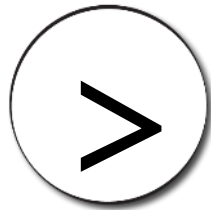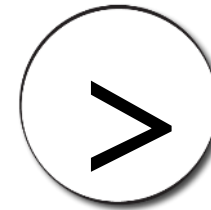
0.13   **>**   0.1**2**   **>**   0.1**1**

2.9**1**   **<**   2.**9**2   **>**   3.01

3.43   **<**   3.**5**3   **<**   3.63

ACTIVITY 4

Complete the statements by choosing an appropriate digit to fill the blanks.

0.77 $<$ 0.7_ $<$ 0.7_
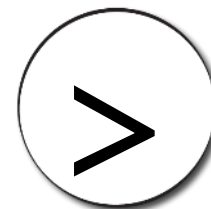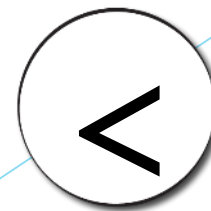
3.8_ $<$ 3._2 $>$ 3._3

4.12 $>$ 4._2 $=$ _.__

ACTIVITY 4

Example solutions provided.
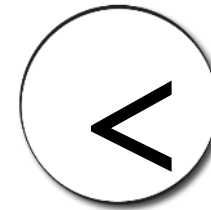
0.77 (<) 0.7**8** (<) 0.7**9**

3.8**1** (<) 3.**9**2 (>) 3.**8**3

4.12 (>) 4.**0**2 (=) **4.02**

ACTIVITY 5

Some friends look back at a table recording their heights at five years old.

Recreate the table in ascending height order.

name	height
Ahmed	112 cm
Chen	0.97 m
Eve	1.1 m
Jamal	1.07 m
Ruth	1.21 m
Yasmin	93 cm

name	height

ACTIVITY 5

Some friends look back at a table recording their heights at five years old.

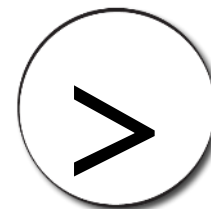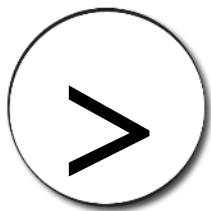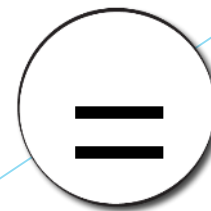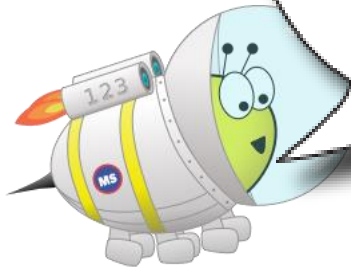Recreate the table in ascending height order.

name	height
Ahmed	112 cm
Chen	0.97 m
Eve	1.1 m
Jamal	1.07 m
Ruth	1.21 m
Yasmin	93 cm

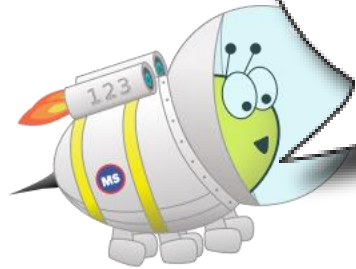| name	height
Yasmin	93 cm
Chen	0.97 m
Jamal	1.07 m
Eve	1.1 m
Ahmed	112 cm
Ruth	1.21 m

EVALUATION

I have used comparison symbols to put my numbers in descending order.

22.02 > 12.2 > 20.02 > 12.02 > 0.2

Can you spot Astrobee's mistake?

Explain your response fully.

EVALUATION

I have used comparison symbols to put my numbers in descending order.

22.02 > 12.2 > 20.02 > 12.02 > 0.2

Astrobee has placed 20.02 in the wrong place. The correct order is:
22.02 > 20.02 > 12.2 > 12.02 > 0.2, as 20.02 is greater than 12.2.