

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81

31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

# Place value

10s, 1s, 0.1s and 0.01s

0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
1	2	3	4	5	6	7	8	9
10	20	30	40	50	60	70	80	90

80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51

# Place value

10s, 1s, 0.1s, 0.01s and 0.001s

0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
1	2	3	4	5	6	7	8	9
10	20	30	40	50	60	70	80	90

## Place value

Complete the following number sentences:

$$2 + 0.3 + 0.05 = \boxed{\phantom{000}}$$

$$2 + 0.2 + 0.07 = \boxed{\phantom{000}}$$

$$5 + 0.5 + 0.08 = \boxed{\phantom{000}}$$

$$8 + 0.4 + \boxed{\phantom{000}} = 8.49$$

$$3 + 0.7 + \boxed{\phantom{000}} = 3.75$$

$$3 + \boxed{\phantom{000}} + 0.08 = 3.78$$

$$1 + \boxed{\phantom{000}} + 0.09 = 1.59$$

$$2 + \boxed{\phantom{000}} + 0.05 = 2.25$$

$$5 + \boxed{\phantom{000}} = 5.03$$

$$\boxed{\phantom{000}} + 0.05 = 2.05$$

Now make up your own number sentence to include the number 3.95.

## Place value

Complete the following number sentences:

$2 + 0.3 + 0.05 =$

$3 +$    $+ 0.05 = 3.75$

$2 + 0.2 + 0.07 =$

$1 + 0.5 + 0.09 =$

$5 + 0.5 + 0.07 =$

$2 + 0.2 + 0.05 =$

$8 + 0.4 + 0.09 =$

$5 + 0.03 =$

$3 + 0.7 + 0.08 =$

$+ 0.05 = 2.05$

Now make up your own number sentence to include the number 3.95.

## Place value

Complete the following number sentences.

$$2.304 + 0.05 = \boxed{\phantom{000}}$$

$$2.37 + 0.002 = \boxed{\phantom{000}}$$

$$2.074 + 0.5 = \boxed{\phantom{000}}$$

$$23.78 + 0.009 = \boxed{\phantom{000}}$$

$$1.58 + 0.005 = \boxed{\phantom{000}}$$

$$2.305 + 0.02 = \boxed{\phantom{000}}$$

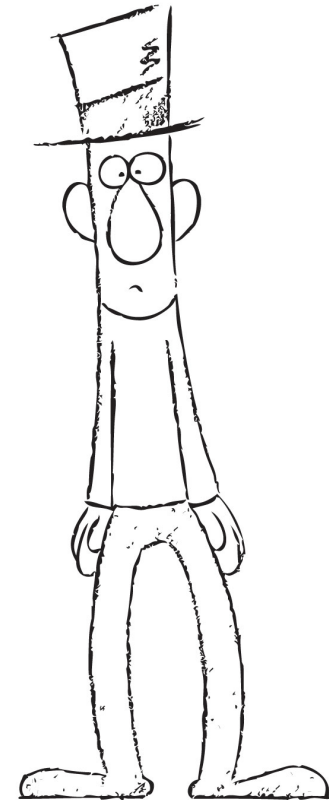
$$78.409 + \boxed{\phantom{000}} = 78.429$$

$$3.075 + \boxed{\phantom{000}} = 3.175$$

$$45.015 + \boxed{\phantom{000}} = 45.215$$

$$\boxed{\phantom{000}} + 0.555 = 2.555$$

Now make up your own number sentence to include the number 3.795.



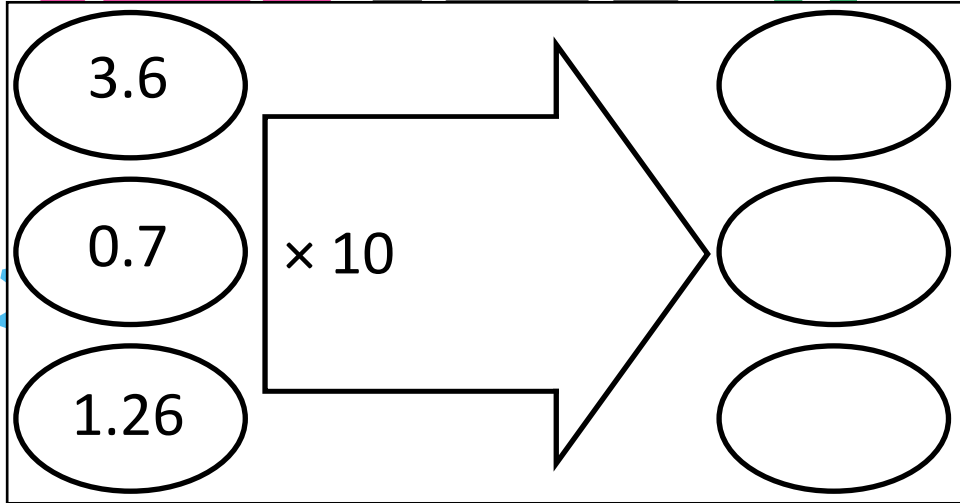
# Place value grid

100s	10s	1s	● 0.1s	$\frac{1}{10}$ s	0.01s	$\frac{1}{100}$ s

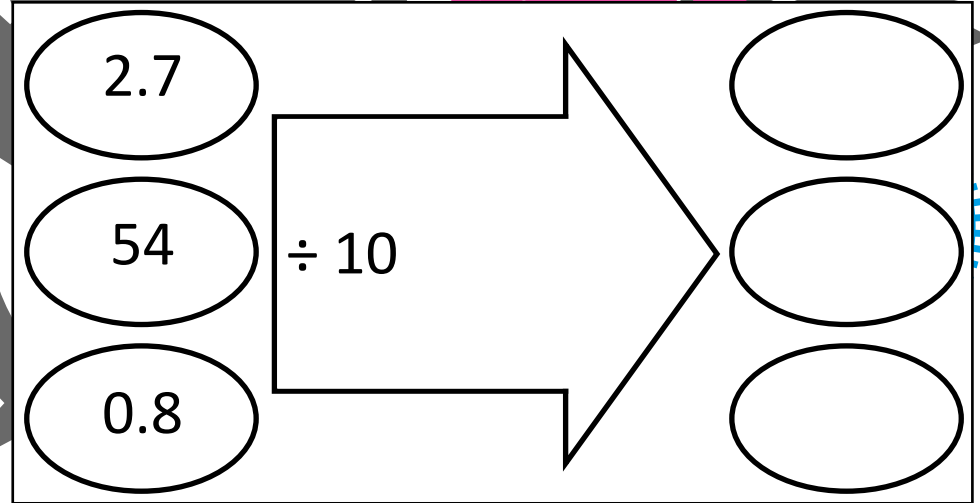
# Place value grid

100s	10s	1s	0.1s	1/10s	0.01s	1/100s	0.001s	1/1000s

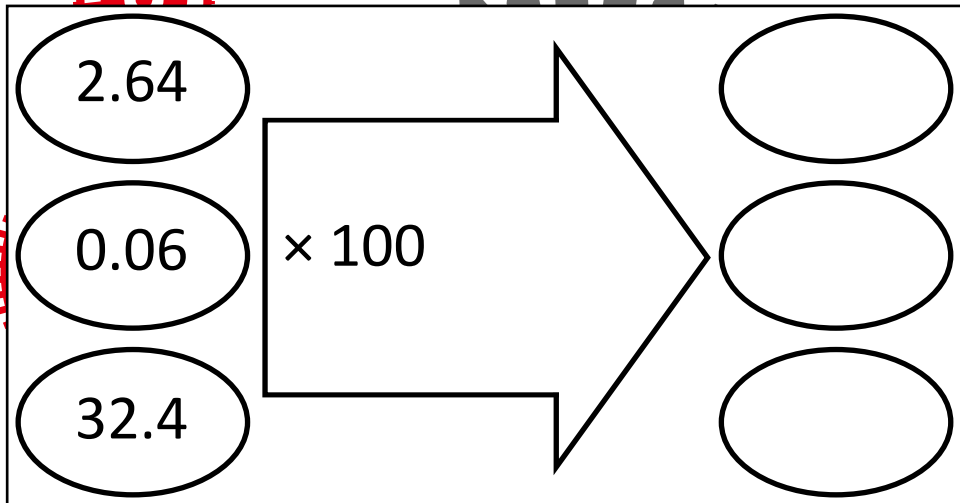
# Function Machines



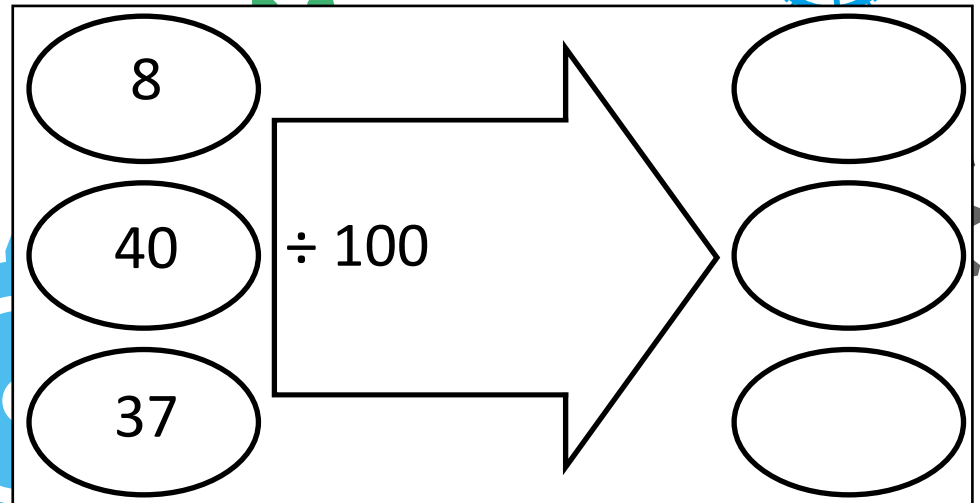
A function machine with a large right-pointing arrow in the center. The operation  $\times 10$  is written to the left of the arrow. On the left side, there are three input ovals containing the numbers 3.6, 0.7, and 1.26. On the right side, there are three empty output ovals.



A function machine with a large right-pointing arrow in the center. The operation  $\div 10$  is written to the left of the arrow. On the left side, there are three input ovals containing the numbers 2.7, 54, and 0.8. On the right side, there are three empty output ovals.



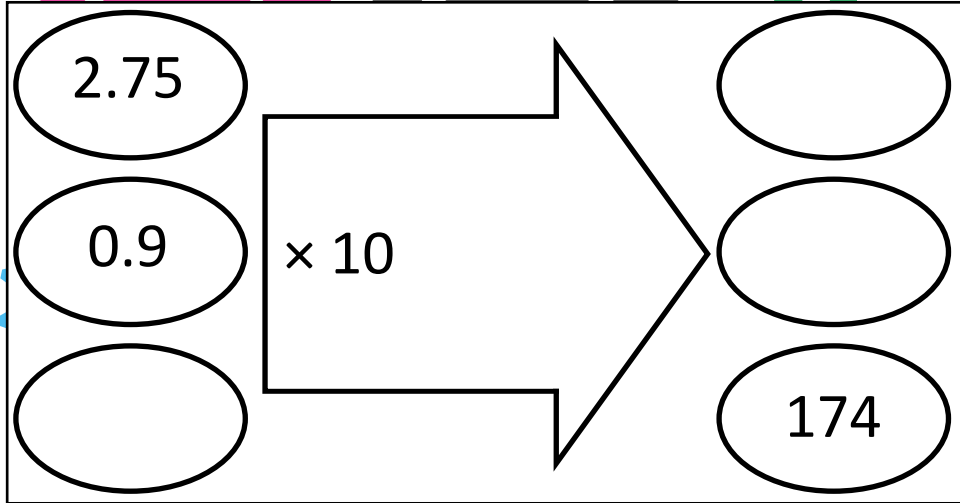
A function machine with a large right-pointing arrow in the center. The operation  $\times 100$  is written to the left of the arrow. On the left side, there are three input ovals containing the numbers 2.64, 0.06, and 32.4. On the right side, there are three empty output ovals.



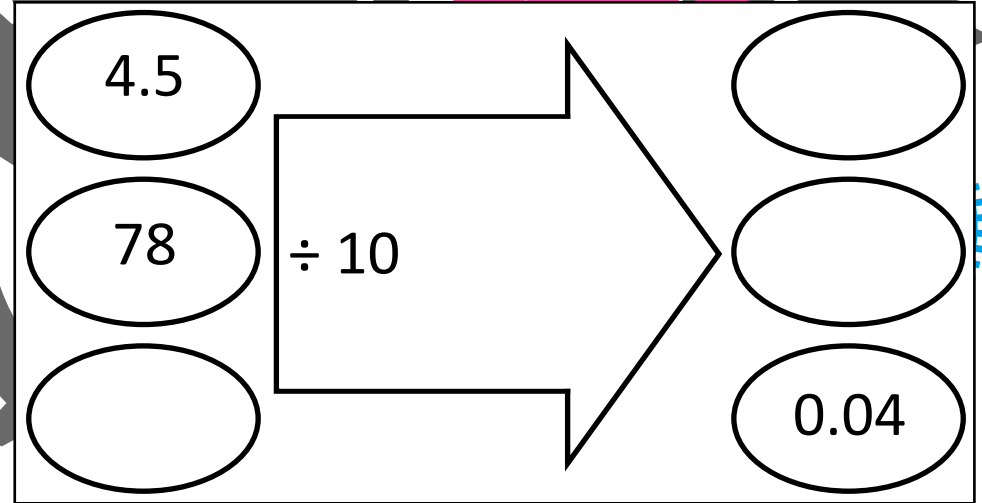
A function machine with a large right-pointing arrow in the center. The operation  $\div 100$  is written to the left of the arrow. On the left side, there are three input ovals containing the numbers 8, 40, and 37. On the right side, there are three empty output ovals.



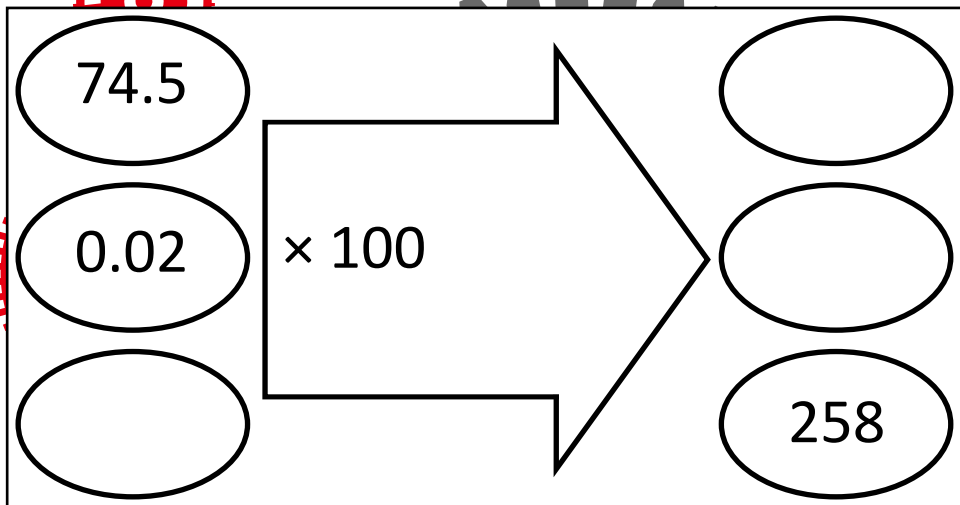
# Function Machines



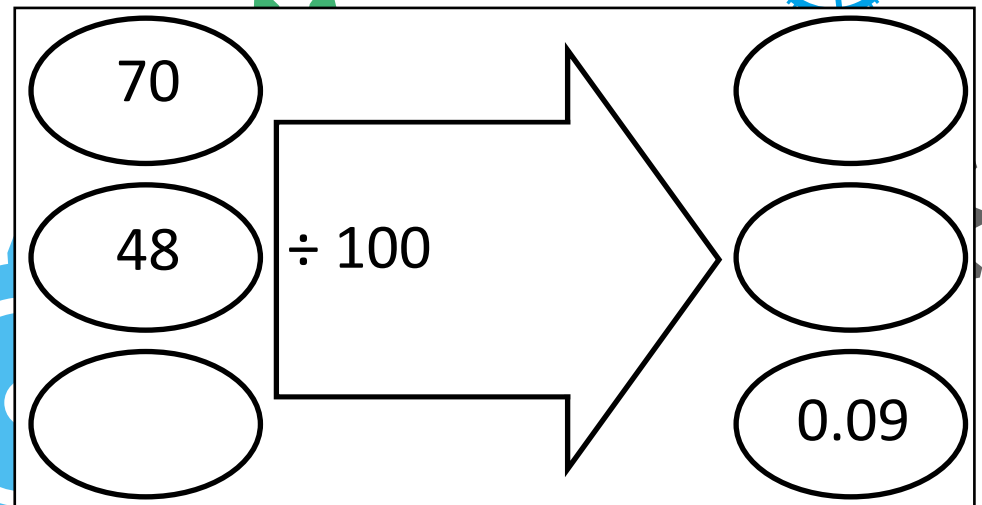
A function machine diagram with a large right-pointing arrow in the center. The arrow is labeled with the operation  $\times 10$ . On the left side, there are three ovals: the top one contains the number 2.75, the middle one contains 0.9, and the bottom one is empty. On the right side, there are three ovals: the top one is empty, the middle one is empty, and the bottom one contains the number 174. The background features several interlocking gears in pink, grey, and green.



A function machine diagram with a large right-pointing arrow in the center. The arrow is labeled with the operation  $\div 10$ . On the left side, there are three ovals: the top one contains the number 4.5, the middle one contains 78, and the bottom one is empty. On the right side, there are three ovals: the top one is empty, the middle one is empty, and the bottom one contains the number 0.04. The background features several interlocking gears in grey, pink, and blue.

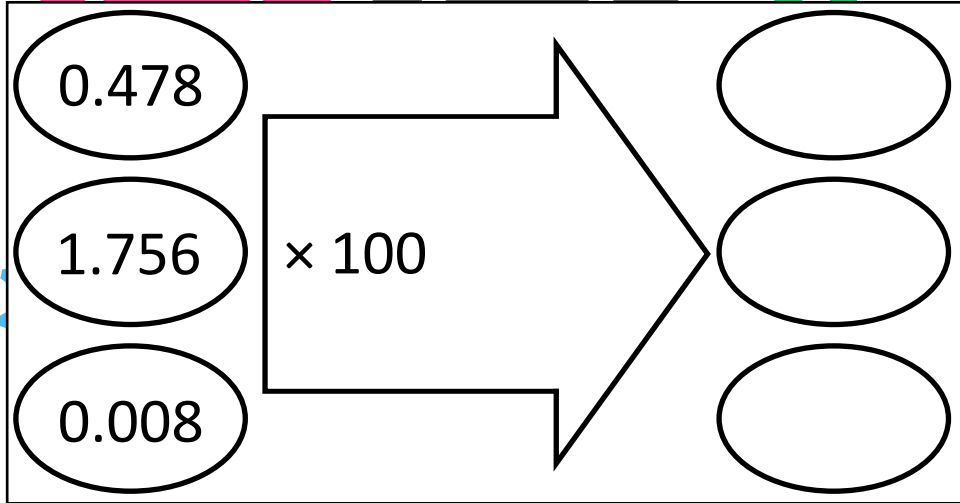


A function machine diagram with a large right-pointing arrow in the center. The arrow is labeled with the operation  $\times 100$ . On the left side, there are three ovals: the top one contains the number 74.5, the middle one contains 0.02, and the bottom one is empty. On the right side, there are three ovals: the top one is empty, the middle one is empty, and the bottom one contains the number 258. The background features several interlocking gears in red, grey, and blue.

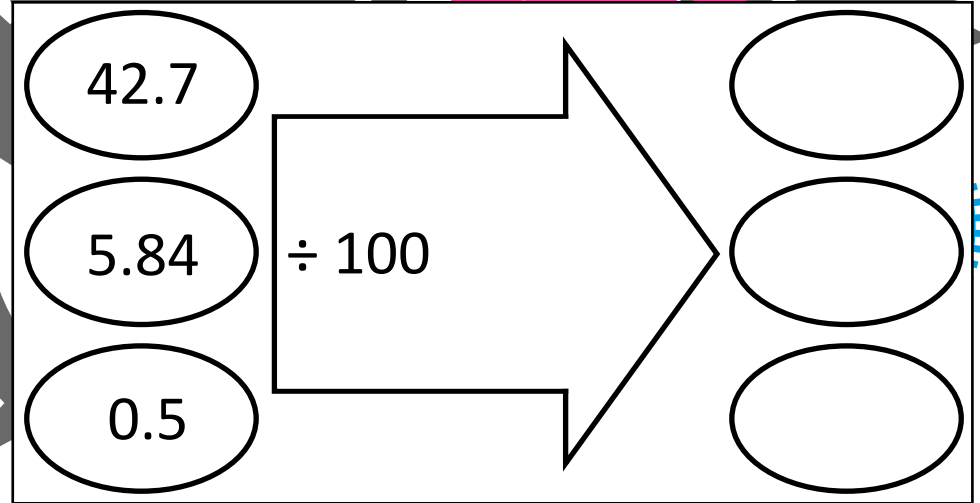


A function machine diagram with a large right-pointing arrow in the center. The arrow is labeled with the operation  $\div 100$ . On the left side, there are three ovals: the top one contains the number 70, the middle one contains 48, and the bottom one is empty. On the right side, there are three ovals: the top one is empty, the middle one is empty, and the bottom one contains the number 0.09. The background features several interlocking gears in blue, green, and pink.

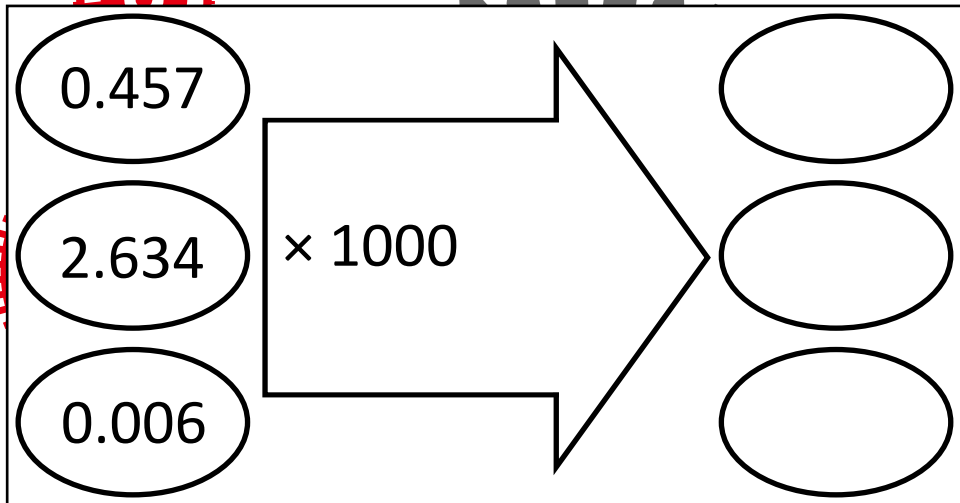
# Function Machines



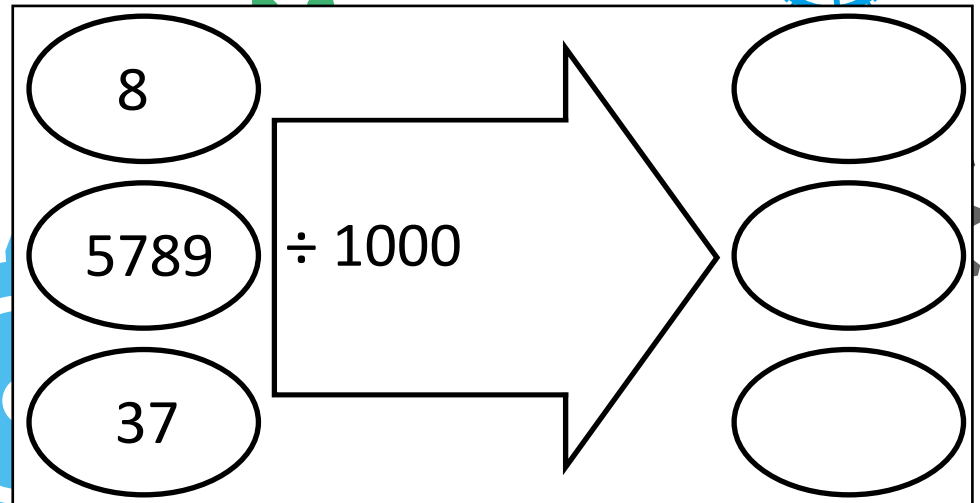
A function machine with a large right-pointing arrow in the center. The operation  $\times 100$  is written to the left of the arrow. On the left side, there are three input ovals containing the numbers 0.478, 1.756, and 0.008. On the right side, there are three empty output ovals.



A function machine with a large right-pointing arrow in the center. The operation  $\div 100$  is written to the left of the arrow. On the left side, there are three input ovals containing the numbers 42.7, 5.84, and 0.5. On the right side, there are three empty output ovals.

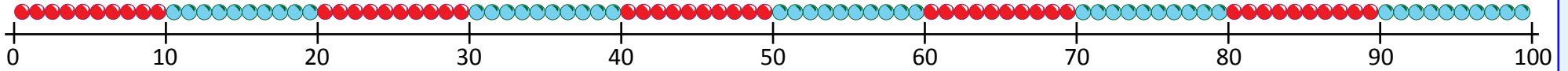


A function machine with a large right-pointing arrow in the center. The operation  $\times 1000$  is written to the left of the arrow. On the left side, there are three input ovals containing the numbers 0.457, 2.634, and 0.006. On the right side, there are three empty output ovals.



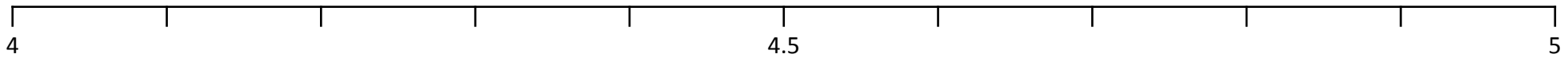
A function machine with a large right-pointing arrow in the center. The operation  $\div 1000$  is written to the left of the arrow. On the left side, there are three input ovals containing the numbers 8, 5789, and 37. On the right side, there are three empty output ovals.

# Beaded line



# Ordering decimals

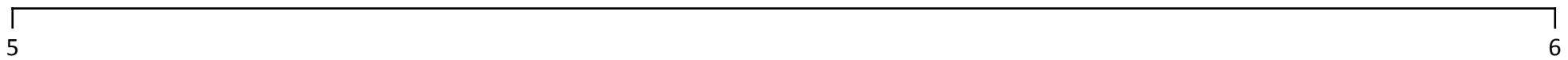
Draw on a number between 4.5 and 4.6 on this line, a number between 4.2 and 4.3 and a number between 4.8 and 4.9.



Mark 2.4, 2.8, 2.25, 2.49 and 2.75 on this number line.



Mark 5.45, 5.79 and 5.43 on this number line.

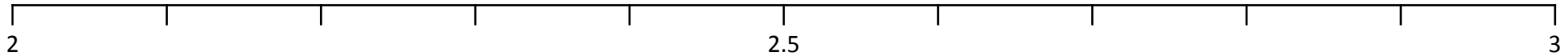


Write these numbers in order from the smallest to the largest:

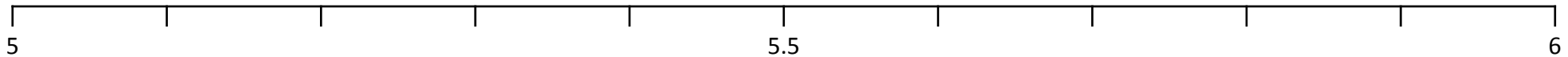
1.9, 2.6, 1.45, 2.79, 0.5, 1.85, 0.99, 1.15.

# Ordering decimals

Mark 2.4, 2.8, 2.25, 2.49 and 2.75 on this number line.

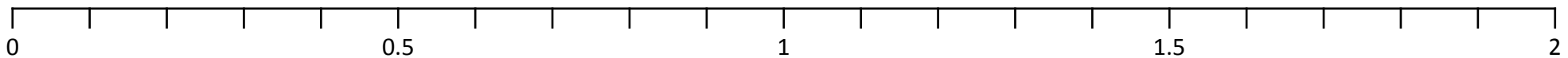


Mark 5.3, 5.45 and 5.99 on this number line.

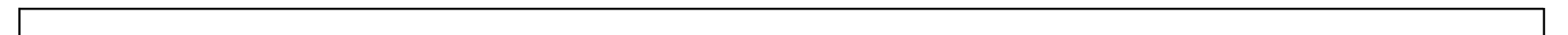
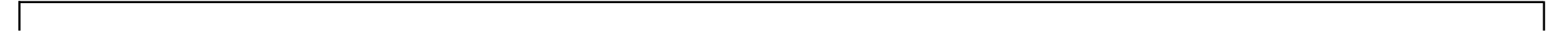
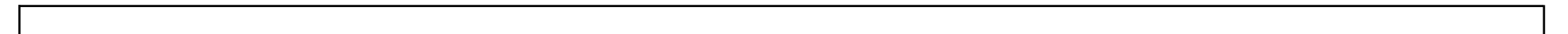
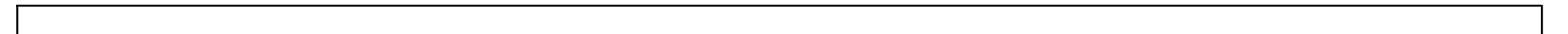
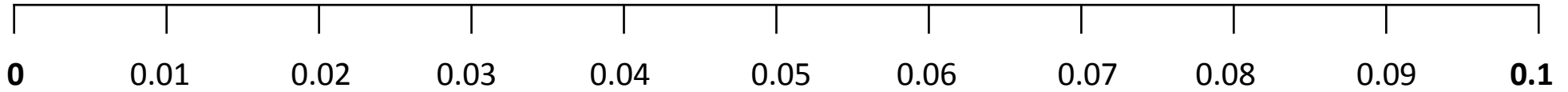


Use this number line to help you to order the following numbers from smallest to largest:

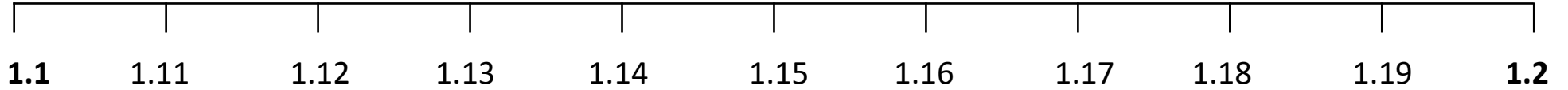
1.9, 0.6, 1.45, 1.79, 0.5, 1.85, 0.99, 1.15.



# 0 to 0.1 and 0 to 1 landmark lines



# Mystery decimals



Mark these numbers on the line: 1.152, 1.139, 1.734, 1.101.

I am one of these numbers. When I am rounded to the nearest 0.01, I round to 1.14.

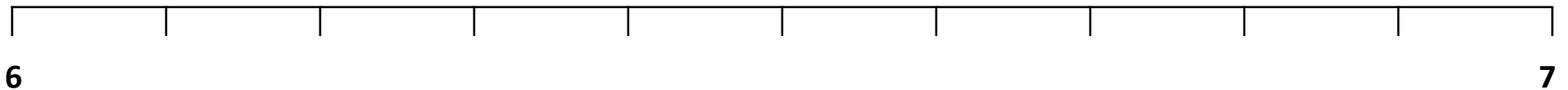
Who am I?



Mark these numbers on the line: 2.478, 2.312, 2.669, 2.851.

I am one of these numbers. When I am rounded to the nearest 0.1, I round to 2.3.

Who am I?



Mark these numbers on the line: 6.254, 6.789, 6.999, 6.523.

I am one of these numbers. When I am rounded to the nearest whole, I round to 6.

Who am I?

## Convert time

Convert times from minutes to seconds

3 minutes	10 minutes	9 minutes
1½ minutes	30 minutes	5 minutes
1minute 45 seconds	2 minutes 15 seconds	8 minutes 10 seconds

Convert times from minutes to hours

60 minutes	120 minutes	300 minutes
30 minutes	45 minutes	15 minutes
90 minutes	75 minutes	180 minutes



## Whole class practice

1. £24.32 + £14.63

2. £34.25 + £27.43

3. £41.48 + £35.26

4. £24.19 + £17.26

5. £46.25 + £23.94

6. £34.83 + £24.52

7. £38.62 + £21.45

8. £34.78 + £25.26

9. £27.58 + £24.80

10. £24.78 + £14.65

11. £38.62 + £21.45

12. £34.78 + £25.26

13. £12.45 + £23.59 + £15.27

14. £24.67 + £14.25 + £16.45

15. £15.79 + £23.45 + £9.85

# Under £50

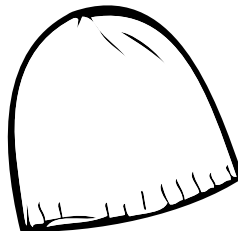
Find as many pairs of items with a total price of under £50.  
How many can you find?



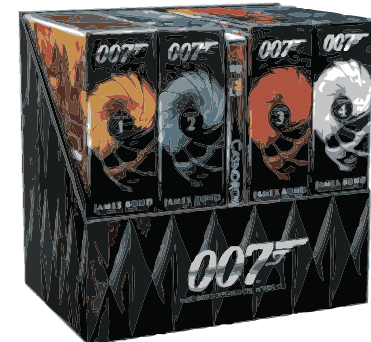
£23.49



£12.56

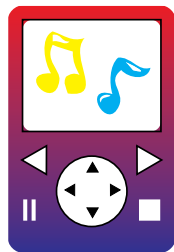


£11.89



£18.25

£36.75



## Adding distances

Snail	am	pm
Albert	6.47m	2.28m
Bob	10.35m	9.37m
Celia	12.18m	11.56m
Daphne	11.72m	13.43m
Edna	13.53m	10.64m
Fred	12.38m	11.29m
Gertrude	11.78m	12.54m
Horace	6.49m	3.73m

Find the total amount each snail crawled.