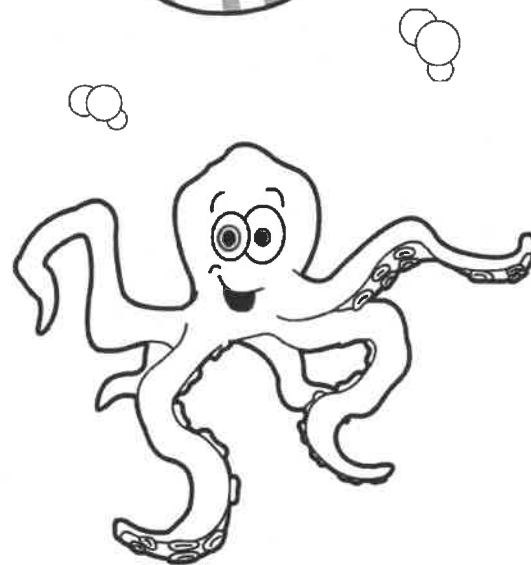




# Math Activities

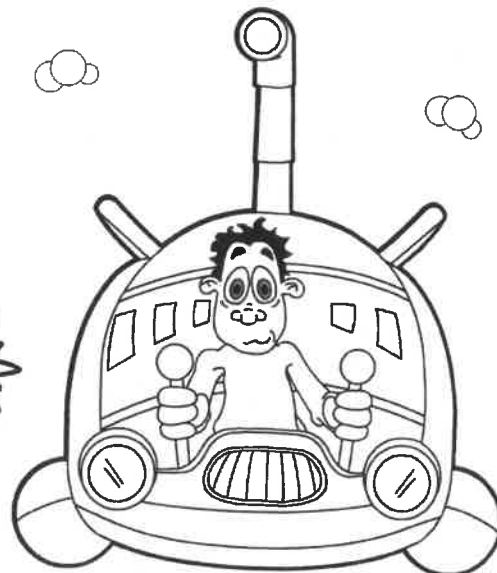
Fill in the missing numbers from these sums.

- 1 10 less than 2609 = \_\_\_\_\_
- 2 1000 more than 7890 = \_\_\_\_\_
- 3  $3678 - \text{_____} = 2678$
- 4 100 less than 6088 = \_\_\_\_\_
- 5  $5601 - \text{_____} = 5591$
- 6 1 more than 3999 = \_\_\_\_\_
- 7 1 less than 3672 = \_\_\_\_\_
- 8  $9817 - \text{_____} = 9807$
- 9  $2119 - \text{_____} = 2019$
- 10  $8062 - 100 = \text{_____}$
- 11  $7201 - 100 = \text{_____}$



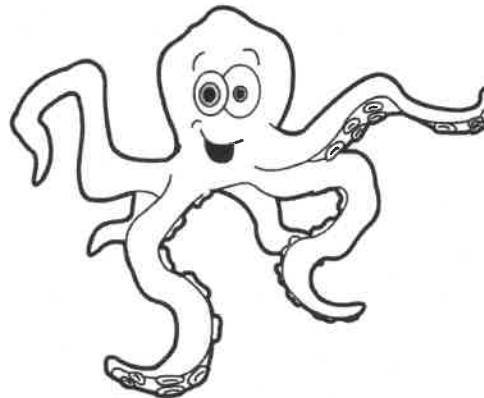
Look at the number 4017.

- a Add 10 more = \_\_\_\_\_
- b What is 10 less? = \_\_\_\_\_
- c 1000 less = \_\_\_\_\_
- d 100 more = \_\_\_\_\_
- e 1 less = \_\_\_\_\_
- f 100 less = \_\_\_\_\_
- g 1000 more = \_\_\_\_\_



Fill in the missing numbers from these sums.

- 1 10 less than 2609 = 2599
- 2 1000 more than 7890 = 8890
- 3 3678 - 1000 = 2678
- 4 100 less than 6088 = 5988
- 5 5601 - 10 = 5591
- 6 1 more than 3999 = 4000
- 7 1 less than 3672 = 3671
- 8 9817 - 10 = 9807
- 9 2119 - 100 = 2019
- 10 8062 - 100 = 7962
- 11 7201 - 100 = 7101



Look at the number 4017.

- a Add 10 more = 4027
- b What is 10 less? = 4007
- c 1000 less = 3017
- d 100 more = 4117
- e 1 less = 4016
- f 100 less = 3917
- g 1000 more = 5017



Use a written method to solve the division questions.

1  $484 \div 4 =$    
  $\overline{) \begin{array}{r} \phantom{0} \\ \phantom{0} \\ \phantom{0} \end{array}}$

2  $624 \div 3 =$    
  $\overline{) \begin{array}{r} \phantom{0} \\ \phantom{0} \\ \phantom{0} \end{array}}$



Klara has some orders to make at the pet shop.  
Help her by solving these problems.

**(a)**

There are 852 bags of rabbit food to be delivered to 4 stores. Each store will get the same number of bags. How many bags will Klara's store receive?

$\overline{) \begin{array}{r} \phantom{0} \\ \phantom{0} \\ \phantom{0} \end{array}}$

**(b)**

There are 721 hamster cages that need to be shared equally between 7 stores. How many will each store receive?

$\overline{) \begin{array}{r} \phantom{0} \\ \phantom{0} \\ \phantom{0} \end{array}}$

**(c)**

There are 635 cans of dog food to be placed on 5 shelves. Each shelf will hold the same number of cans. How many cans will go on each shelf?

$\overline{) \begin{array}{r} \phantom{0} \\ \phantom{0} \\ \phantom{0} \end{array}}$

Use a written method to solve the division questions.

1  $484 \div 4 =$ 

1	2	1
---	---	---

4	4	8	4
---	---	---	---

2  $624 \div 3 =$ 

2	0	8
---	---	---

3	6	2	4
---	---	---	---



Klara has some orders to make at the pet shop.  
Help her by solving these problems.

(a)

There are 852 bags of rabbit food to be delivered to 4 stores. Each store will get the same number of bags. How many bags will Klara's store receive?

2	1	3	
4	8	5	2

(b)

There are 721 hamster cages that need to be shared equally between 7 stores. How many will each store receive?

1	0	3	
7	7	2	1

(c)

There are 635 cans of dog food to be placed on 5 shelves. Each shelf will hold the same number of cans. How many cans will go on each shelf?

1	2	7	
5	6	3	5

# Study Island 4th Grade Math - Place Value

Question 1 .

7 2 , 4 4 9

What is the relationship between the value of the 4 in the square and the value of the 4 in the circle in the number above?

- A. The value of the 4 in the circle is 100 times the value of the 4 in the square.
- B. The value of the 4 in the square is 10 times the value of the 4 in the circle.
- C. The value of the 4 in the circle is 10 times the value of the 4 in the square.
- D. The value of the 4 in the square is 100 times the value of the 4 in the circle.

Question 2 .

3 4 , 4 2 1

What is the relationship between the value of the 4 in the square and the value of the 4 in the circle in the number above?

- A. The value of the 4 in the square is 10 times the value of the 4 in the circle.
- B. The value of the 4 in the square is 100 times the value of the 4 in the circle.
- C. The value of the 4 in the circle is 10 times the value of the 4 in the square.
- D. The value of the 4 in the circle is 100 times the value of the 4 in the square.

Question 3 .

Which of the following is 10 times what the 3 represents in 5,638?

- A. 3,000
- B. 300
- C. 3
- D. 30

**Question 4 .**

Which equation correctly compares the tens place and ones place in 8,888?

- A.  $80 + 8 = 10$
- B.  $8,000 + 80 = 100$
- C.  $800 + 8 = 100$
- D.  $800 + 80 = 10$

**Question 5 .**

Which equation correctly compares the tens place and ones place in 9,999?

- A.  $90 + 9 = 10$
- B.  $900 + 9 = 100$
- C.  $900 + 90 = 10$
- D.  $9,000 + 90 = 100$

**Question 6 .**

**Directions: Select the correct answer from each drop-down menu.**

Complete the statement below to compare 5 in the tens place to 5 in the hundreds place in the number 5,555.

5 tens   is equal to 5 hundreds

5 hundreds is  the size of 5 tens

**Question 7 .**

Which of the following is 10 times what the 7 represents in 8,137?

- A. 70
- B. 7,000
- C. 7
- D. 700

**Question 8 .**

Which of the following is 10 times what the 9 represents in 9,614?

- A. 9,000
- B. 90
- C. 900
- D. 90,000

**Question 9.**

8, 9 9 2

What is the relationship between the value of the 9 in the square and the value of the 9 in the circle in the number above?

- A. The value of the 9 in the circle is 100 times the value of the 9 in the square.
- B. The value of the 9 in the square is 10 times the value of the 9 in the circle.
- C. The value of the 9 in the square is 100 times the value of the 9 in the circle.
- D. The value of the 9 in the circle is 10 times the value of the 9 in the square.

**Question 10.**

Which equation correctly compares the thousands place and hundreds place in 66,666?

- A.  $600 + 6 = 100$
- B.  $60,000 + 600 = 100$
- C.  $6,000 + 600 = 10$
- D.  $60,000 + 6,000 = 10$



## Answers: Math - Place Value

1. B
2. A
3. B
4. A
5. A
6. --
7. A
8. D
9. B
10. C

# Explanations: Math - Place Value

1. The 4 in the square is in the hundreds place, so it represents 400.  
The 4 in the circle is in the tens place, so it represents 40.

Since  $400 = 40 \times 10$ , the value of the 4 in the square is 10 times the value of the 4 in the circle.

2. The 4 in the square is in the thousands place, so it represents 4,000.  
The 4 in the circle is in the hundreds place, so it represents 400.

Since  $4,000 = 400 \times 10$ , the value of the 4 in the square is 10 times the value of the 4 in the circle.

3. The 3 in 5,638 represents 30.

To find the number that is 10 times 30, add another 0 to the end of 30.

So, **300** is 10 times what the 3 represents in 5,638.

4. In 8,888, the value of the tens place is 80 and the value of the ones place is 8. To compare using division, divide the value of the tens place, 80, by the ones place, 8.

The value in the tens place is ten times the value in the ones place. So, the equation that correctly compares the tens and ones place is  $80 \div 8 = 10$ .

5. In 9,999, the value of the tens place is 90 and the value of the ones place is 9. To compare using division, divide the value of the tens place, 90, by the ones place, 9.

The value in the tens place is ten times the value in the ones place.

So, the equation that correctly compares the tens place and ones place is  $90 \div 9 = 10$ .

6. To compare 5 tens to 5 hundreds, start by showing the numeric value of each.

$$5 \text{ tens} = 50$$

$$5 \text{ hundreds} = 500$$

Next, figure out how to go between 50 and 500. When comparing place values, always use multiplication or division.

$$50 \times 10 = 500$$

$$500 \div 10 = 50$$

Since 5 tens **times 1 ten** is equal to 5 hundreds, then 5 hundreds is **ten times** the size of 5 tens

7. The 7 in 8,137 represents 7.

To find the number that is 10 times 7, add a 0 to the end of 7.

So, **70** is 10 times what the 7 represents in 8,137.

8. The 9 in 9,614 represents 9,000.

To find the number that is 10 times 9,000, add another 0 to the end of 9,000.

So, **90,000** is 10 times what the 9 represents in 9,614.

9. The 9 in the square is in the hundreds place, so it represents 900.  
The 9 in the circle is in the tens place, so it represents 90.

Since  $900 = 90 \times 10$ , **the value of the 9 in the square is 10 times the value of the 9 in the circle.**

10. In 66,666, the value of the thousands place is 6,000 and the value of the hundreds place is 600. To compare using division, divide the value of the thousands place, 6,000, by the hundreds place, 600.

The value in the thousands place is ten times the value in the hundreds place.

So, the equation that correctly compares the thousands place and hundreds place is  $6,000 \div 600 = 10$ .