Greek Orthodox Patriarchate School
International - Fuhies

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Worksheet

Name:		Subject:	Math- practice sheet #1 place value
Class:	Grade 5	Date:	

Decimals are a way to represent numbers that are not whole, using place value to show parts of a whole.

Each digit in a decimal number holds a place value depending on its position relative to the decimal point.

Understanding 4.735

- **4** → Ones place
- **7** → Tenths place ($7 \div 10 = \frac{7}{10} = 0.7$)
- **3** → Hundredths place ($3 \div 100 = \frac{3}{100} = 0.03$)
- **5** → Thousandths place ($5 \div 1000 = \frac{5}{1000} = 0.005$)

Thus, **4.735** is the sum of: **4 + 0.7 + 0.03 + 0.005**

Q1) Represent the following numbers on the below place value chart.

a) 452.836

b) 9825.014

Decimal Place Value Chart

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths
M	Hth	TTh	Th	H	T	O	t	h	th	tth	hth	m

Q2) Decompose the following decimals.

a) 56.987 =_____

b) 12.306=_____

c) 814.23 =_____

d) 1.059 =_____

e) 0.257 =_____

Q3) Answer the following questions.

1. Sarah is measuring ingredients for a science experiment. She needs **3.456** grams of a special powder. What digit is in the hundredths place of this measurement? _____
2. A runner completed a race **12.847** seconds. What value does the digit 8 represent in this time? _____
3. During a rainfall measurement, the weather station recorded **5.234** inches of rain. What is the value of the digit in the thousandths place? _____
4. James is comparing the heights of two plants. One plant is **7.654** inches tall.
   What is the place value of the 6 in this measurement?
   _____
5. In a math competition, Emma scored **98.325** points. What value does the digit 2 represent in her score? _____
6. A jeweler is weighing a precious stone that measures **4.789** carats. What is the value of the digit 7 in this measurement? _____
7. During a chemistry experiment, the temperature increased by **6.543** degrees. What digit is in the tenths place of this measurement? _____
8. A carpenter needs to make a precise cut measuring **15.678** cm. What is the place value of the digit 7 in this measurement?
   _____
9. In a swimming competition, Michael finished with a time of **23.456** seconds. What value does the digit 4 represent in this time?
   _____

Multiplying and dividing by 10, 100, and 1000

When you multiply a number by **10**, **100**, or **1000**, the digits shift to the **left**, and zeros are added if needed.

Q4) Find the answer of the following.

a) 52.36 x 10= _____
b) 203.2 x 10= _____
c) 20.556 x 10= _____
d) 456.8 x 100= _____
e) 234.098 x 100= _____
f) 2.258 x 100= _____
g) 56.907 x 100= _____
h) 516 x 100= _____
i) 45.098 x 1000= _____
j) 2.36 x 1000= _____
k) 67.0967 x 1000= _____
l) 25 x 1000= _____
m) 564.1203 x 10= _____
n) 0.02 x 10 =_____
o) 0.306 x 100 =_____

When you divide a number by **10**, **100**, or **1000**, the digits shift to the **right**, and zeros are added if needed.

Q5) Find the answer of the following.

a)520 ÷ 10 =_____

b) 823 ÷ 10 =_____

c)20.36÷ 10 =_____

d) 2503.6÷ 100 =_____

e) 678 ÷ 100 =_____

f) 2.58÷ 10 =_____

g)3.269 ÷ 100 =_____

h) 0.278 ÷ 100 =_____

i) 7238.6÷ 1000 =_____

j) 85.269÷ 1000 =_____

k) 5694.25÷ 1000 =_____

Q6) Fill in with the missing calculation x or ÷.

a) 52 ___ 10 = 5.2

b) 2.89 ___ 100 = 289

c) 63.2 ___ 100 = 3620

d) 87.1 ___ 10= 8.71

Q7) April 2023 p1

Here are six number cards.

10	100	1000
10	100	1000

Use **three** cards to complete the statement.

6.2 ÷ ☐ ÷ ☐ = 6.2 × 10 ÷ ☐

[1]

Q8) Circle the correct answer.

1. Which number is equivalent to 30 + 0.4 + 0.002?

a) 342

b) 3.40

c) 30.402

d) 30.420

2. Which number is equivalent to 500 + 30 + 2 + 0.2 + 0.03 +0.002?

a) 532.032

b) 532.232

c) 532.202

d) 503.232

3.The weight of a newborn baby is 8.34 pounds. Which of the following is equivalent to the weight of the baby?

a) 8 + 0.03 + 0.004

b) 0.8 + 0.03 + 0.004

c) 8 + 0.3 + 0.04

d) 800 + 30 + 4

4. Daniel finished the race in 56.809 seconds. What is the value of the digit 8 in 56.809?

a) 0.080

b) 0.008

c) 8.0

d) 0.800

Q9) Find the equivalent value for each of the following.

4 tens = _____

1.7 hundreds = _____

32.5 thousands = _____

125 tenths = _____

52.36 hundredths = _____

22.52 thousandths = _____

27 ones and 23 hundredths= _____

1 ten and 15 tenths = _____

35 hundreds and 8 hundredths = _____

Q10) Aril 2024 p2

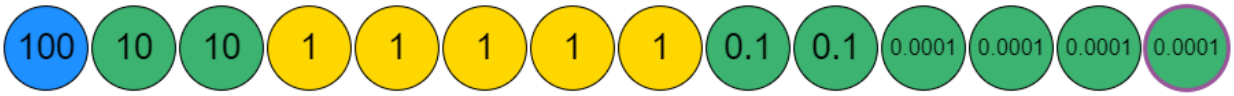
Tick (✓) **all** the statements that are equivalent to 42.573

42 ones and 573 thousandths	☐
425 tenths and 73 hundredths	☐
4 tens, 2 ones, 57 hundredths and 3 thousandths	☐
42 ones, 57 tenths and 3 thousandths	☐
4 tens, 2 ones, 5 tenths, 7 hundredths and 3 thousandths	☐

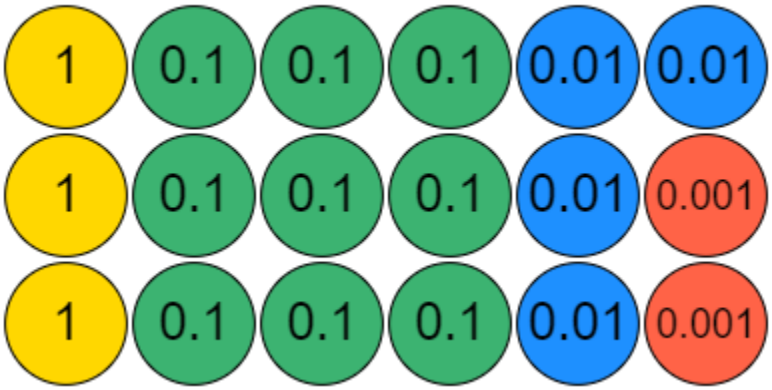
Q11) Write each of the following in standard form.

1	8 + 0.3 + 0.06	
2	0.4 + 0.01 + 0.002	
3	3 + 0.8 + 0.01	
4	70 + 4 + 0.05 + 0.002	
5	1 + 0.4 + 0.07	
6	6,000 + 600 + 50 + 0.9	

Q12) Write the number that each of the following counters represents.



a) The number is _____



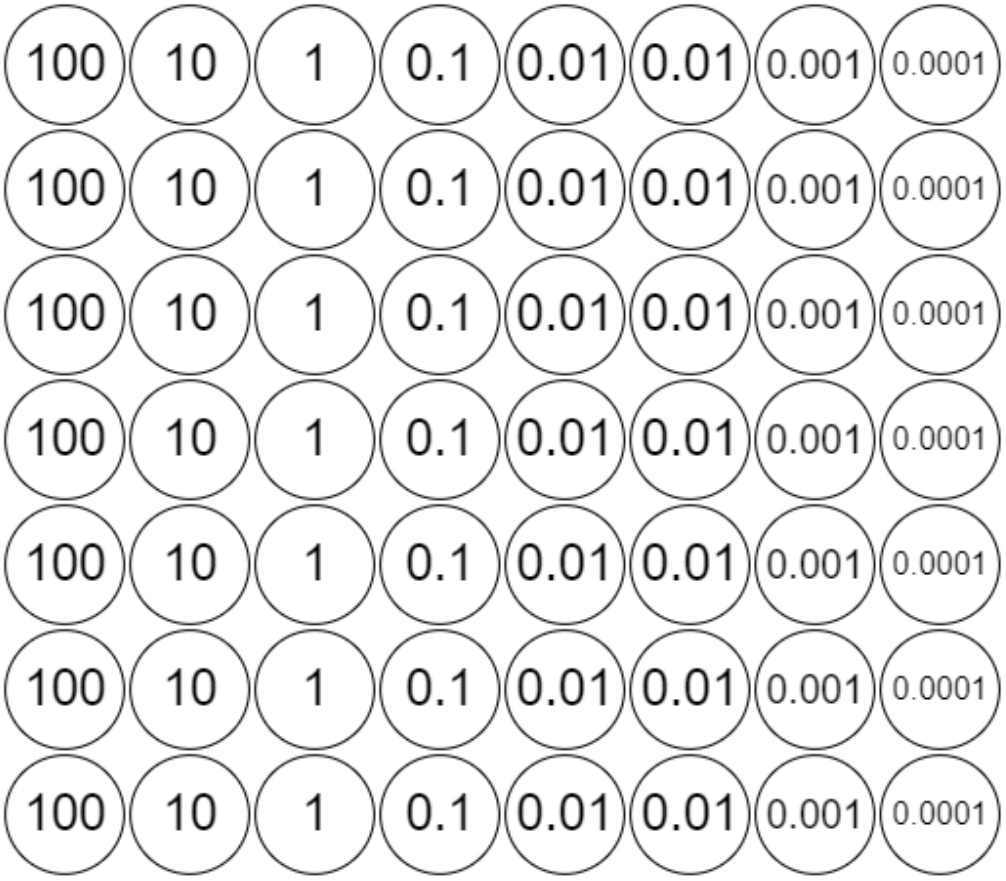
b) The number is _____

Q13) October 2023 p1

Complete the statement using the correct word.

In the number 7.419 the 9 represents 9 ☐

Q14) Shade all the counters that you need to add together to make the number 347.20



Q15) October 2023 p2

Write a single digit in each box to complete the statement.

6 tens + 308 hundredths + 47 thousandths = ☐☐.☐☐☐

Q16) October 2023 p2

Draw a line to match each number to the correct description.

136 tenths	
1064 hundredths	Greater than 13.56
125 tenths and 42 hundredths	
1 ten and 75 tenths	Less than 13.56
1 ten, 40 tenths and 36 hundredths	

Q17) Progression 2023 p1

Draw lines to join 10.56 to **all** the equivalent values.

10.56

105 tenths and 6 hundredths

10 ones and 56 tenths

1 ten and 56 hundredths

156 hundredths

Q18) Progression 2023 p2

Write a decimal number on each answer line to make each statement correct.

843 hundredths = ...

84 tenths and 3 thousandths = ...

8 ones 4 hundredths and 3 thousandths = ...

8 + 0.4 + 0.03 = ...

Q19) Progression 2024 P1

Write down the number that is one thousand times bigger than 10.42

.....

Rounding decimals helps simplify numbers while keeping them as close as possible to their original value.

Q20) A sports club held an athletics competition. There were several events with different age categories for each event. Can you round the lengths to the different degrees of accuracy?

Length	Round to the nearest whole number	Round to the nearest tenth	Round to the nearest hundredth
4.256m			
3.972m			
0.937m			
0.869m			
2.114m			
3.731m			
50.074m			
39.238m			
8.269m			
12.351m			

Q21) April 2023 p1

Naomi thinks of a number.
The number rounds **up** when rounded to the nearest tenth.
The number rounds **down** when rounded to the nearest whole number.

Complete Naomi's number.

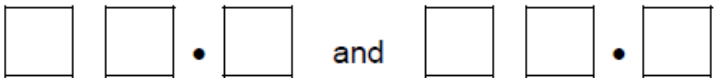
Q22) October 2023 p1

Youssef writes two different numbers with 1 decimal place.

He only uses odd-numbered digits.

His numbers round to 79 when rounded to the nearest whole number.

Find the two numbers Youssef writes.



Q23) Progression test 2024 p1

Round 3.47 to the nearest whole number.

.....

Comparing decimals

How to Compare Decimals

When we compare decimals, we want to find out which number is bigger or smaller. Here's how to do it:

1. Look at the numbers before the decimal point. These are the whole numbers. If one is bigger, that number wins!
2. If the whole numbers are the same, look at the digits after the decimal. Check one digit at a time:
    - First, the tenths place (right after the decimal).
    - Then the hundredths place.
    - Keep going if you need!
3. You can add zeroes to help. For example, 0.5 is the same as 0.50.

Example: Which is bigger: 0.47 or 0.457?

- Whole numbers are both 0 → same
- Tenths: 4 vs. 4 → same
- Hundredths: 7 vs. 5 → 7 is bigger

So, 0.47 is bigger than 0.457!

Q24) choose the correct answer.

1. **Which is greater 0.6 or 0.56?**

   a) 0.6 b) 0.56 c) They are equal

2. **Which is smaller 0.45 or 0.5?**

   a) 0.45 b) 0.5 c) They are equal

3. **Which is greater 0.7 or 0.70?**

   a) 0.7 b) 0.70 c) They are equal

4. **Which is greater: 0.123 or 0.12?**

   a) 0.123 b) 0.12 c) They are equal

5. **Which is smaller: 0.8 or 0.75?**

   a) 0.8 b) 0.75 c) They are equal

Q25) Compare the following decimals using the correct symbols <, >, =.

1)	3.3	☐ 0.33	11)	9.42	☐ 0.942
2)	4.96	☐ 0.496	12)	8.83	☐ 8.84
3)	7.31	☐ 7.31	13)	7.11	☐ 7.18
4)	6.72	☐ 6.69	14)	5.14	☐ 0.514
5)	9.06	☐ 9.01	15)	9.35	☐ 9.36
6)	4.28	☐ 4.32	16)	0.72	☐ 0.072
7)	5.26	☐ 5.25	17)	6.21	☐ 0.621
8)	9.05	☐ 9.1	18)	1.19	☐ 1.21
9)	7.76	☐ 7.79	19)	9.39	☐ 9.38
10)	2.53	☐ 0.253	20)	6.83	☐ 0.683

Q26) April 2023 p 2

Write the numbers in order of size, starting with the smallest.

4.36 4.70 4.03 4.63 4.07

....

smallest largest

[1]

Q27) October 2023 p2

Here are some numbers.

4.4 4.31 3.45 4.53 5.2

Rajiv arranges the numbers in order of size, starting with the smallest.

Write the 3rd number in his list.

..... [1]

Q28) Progression test 2023 p1

Write the numbers in order of size, starting with the smallest.

3.15 2.98 3.04 3.31

....

smallest largest

[1]