



4th
Basic

5th
Advanced

Helping With Math

USA
GRADES

Thousandths and Ten Thousandths

Suitable for students aged 8-10



This pack is suitable for learners aged 8-10 years old or 4th to 5th graders (USA). The content covers fact files and relevant basic and advanced activities involving thousandths and ten thousandths.

9 8 7 . 1 2 3 4

Thousandth ←

↓
Ten

Thousandth



Thousandth

- The third digit after the decimal point
- $1 / 1,000$

Ten Thousandth

- The fourth digit after the decimal point
- $1 / 10,000$



A **decimal number** has digits after the decimal point.



5.2874 is written as Five and two thousand eight hundred seventy-four ten thousandths.

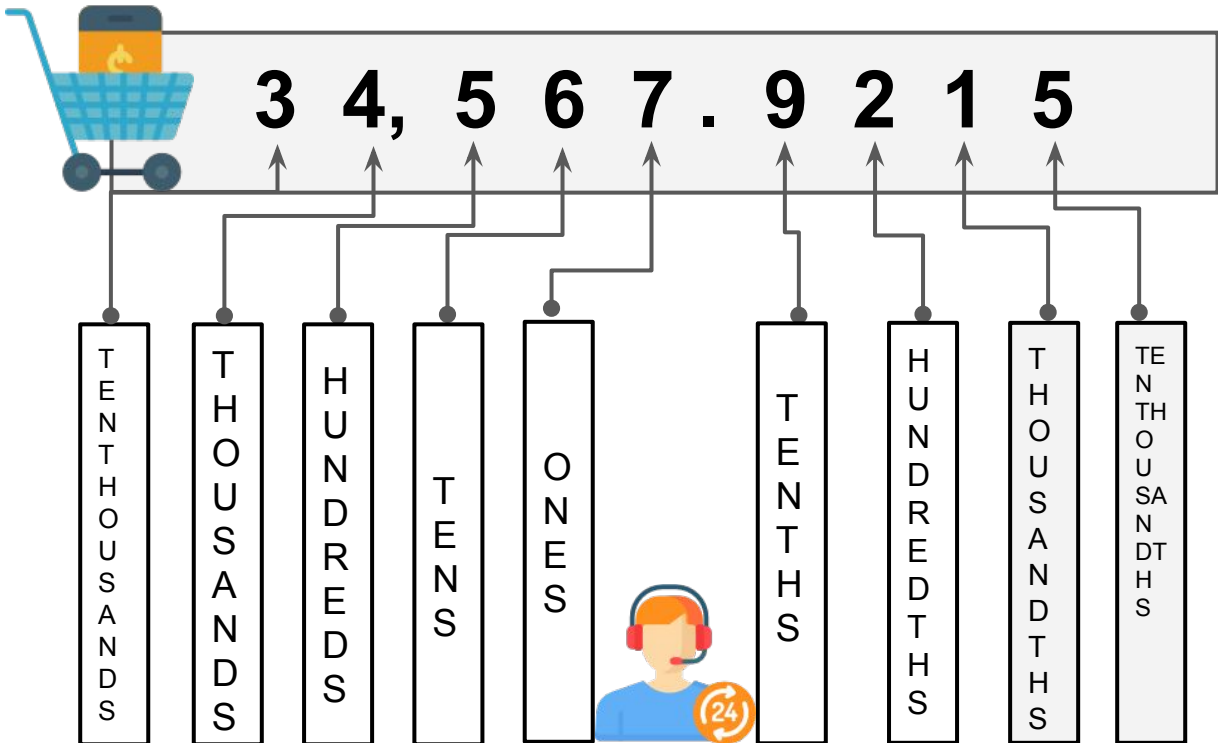


CONCEPTS

The numbers before the decimal point:



- The digits to the left or before the decimal point are the whole numbers. It can be consist of the place values ones, tens, hundreds, thousands, ten thousands, hundred thousands, millions, etc.



Now, let us focus on the third and fourth place value after the decimal point:

THOUSANDTHS - 3rd
digit to the right of the
decimal point

1, 9 5 8 . 1 0 (3) 1

TEN THOUSANDTHS-
4th digit to the right of
the decimal point

1, 9 6 4 . 0 1 0 (6)



CONCEPTS

18. 2120 is read as “*Eighteen and two thousand one hundred twenty ten thousandths*”



25. 219 is read as “*Twenty-five and two hundred nineteen thousandths*”

EXAMPLES



EXERCISES



Identify the place value of the underlined digit.

- | | | | | | |
|----------------------|---|-----------------|-----------------------|---|----------------------|
| 1. 2.98 <u>7</u> 1 | → | thousandths | 5. 0.00 <u>5</u> | → | <input type="text"/> |
| 2. 15. 398 <u>2</u> | → | ten thousandths | 6. 14.809 <u>8</u> | → | <input type="text"/> |
| 3. 200. 652 <u>8</u> | → | ten thousandths | 7. 412. 90 <u>8</u> 5 | → | <input type="text"/> |
| 4. 70. 63 <u>9</u> 0 | → | thousandths | 8. 1251.05 <u>6</u> 7 | → | <input type="text"/> |

ADDITIONAL EXAMPLE AND EXERCISE



Write the following numbers on its expanded form.

- | | | |
|--------------|---|--|
| 1. 7.9514 | → | <input type="text" value="7 + 0.90 + 0.05 + 0.001 + 0.0004"/> |
| 2. 11. 7832 | → | <input type="text" value="10 + 1 + 0.70 + 0.08 + 0.003 + 0.0002"/> |
| 3. 211. 6527 | → | <input type="text"/> |
| 4. 75. 6309 | → | <input type="text"/> |



TABLE OF ACTIVITIES

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MONDAY CARTS

G4
Basic

Get your Monday carts now! Color the decimal number with thousandth only with green and ten thousandth with blue.

48.2005



1,398.498

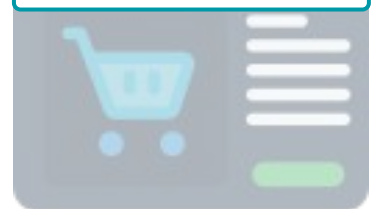
487.0029



27,238.190

659,230.489

2,109.3298



VOUCHER'S TASK

G4
Basic

Get this limited-edition discount voucher as you complete the task below.

1) 549.2984

Word form:

Expanded Form:

2) 13,598.376

Word form:

Expanded Form:



CYBER MONDAY

G4
Basic

Enjoy the cyber monday sale today! Grab it by writing the following in words.



1) 3,728.3489



2) 4,783.284



3) 43,787.596



4) 38,293.9054



Hurry! You might miss this chance! Do the task below as fast as you can!

Identification:

1) three thousandths = _____

2) fifteen ten thousandths = _____

3) four ten thousandths = _____

4) eleven thousandths = _____

5) twenty-one ten thousandths = _____



COLUMN A

COLUMN B

_____ 6) thirteen and fifty ten thousandths

A) 10.500

_____ 7) thirteen and fifty thousandths

B) 13.050

_____ 8) ten and three thousand fifty ten thousandths

C) 10.5050

_____ 9) ten and five hundred thousandths

D) 13.0050

_____ 10) ten and five thousand fifty ten thousandths

E) 10.3050



GOOD DEALS

G4
Basic

Identify which among the deals are the good ones! But first, verify if the following statements are TRUE. If not, explain why it is false.

1) The fourth digit after the decimal point is the thousandths place.

T

F

Answer (if F) and Explanation:

2) The fourth digit before the decimal point is the thousandths place.

T

F

Answer (if F) and Explanation:

2) The third digit to the right of the decimal point is the ten thousandths place.

T

F

Answer (if F) and Explanation:



ONLINE SHOPPING

G5
Advanced

Express the following decimals in expanded form to their equivalent standard form and get the cyber monday deals!

1) _____ → $400+50+3+0.6+0.04+0.007$

2) _____ → $60+9+0.9+0.09+0.009+0.0009$

3) _____ → $800+40+2+0.1+0.00+0.005$

4) _____ → $0.8+0.03+0.007+0.0001$

5) _____ → $9+0.8+0.09+0.006+0.0002$



EXPANDING MONDAY

G5
Advanced

Add these items to your carts but do not forget to write the following decimals into their expanded forms.

1) 483.198 →



2) 1,093.345 →

3) 683.4398 →

4) 137.5427 →



5) 3,982.174 →



BE A WISE BUYER

G5
Advanced

Be thrifty! Underline the wrong word/s and write the correct answer to make the statement right.

_____ 1. The customer tells that the first decimal number is a number with thousandth digit.

_____ 2. The delivery man tells that in the second given, the thousandths digit is 0.

_____ 3. The employee tells that in the first given, the ten thousandths digit is 8.

_____ 4. The delivery man tells that the two given decimal numbers have ten thousandths digit.

_____ 5. The customer tells that the second decimal is more than the first.

187.2389

187.287



Customer



Employee



Delivery man



CYBER MONDAY BLUES

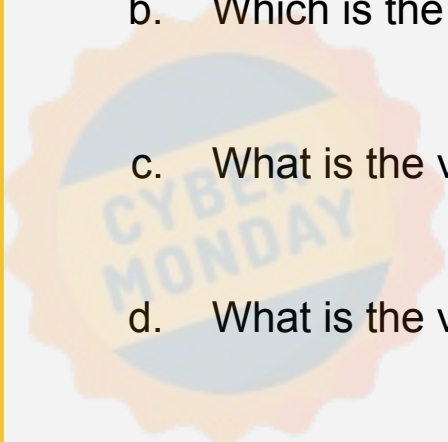
G5
Advanced

Win some vouchers this Cyber Monday by answering the following questions below.

1. The given decimal is 584,983.4874
 - a. Which is the thousandths digit?
 - b. Which is the ten thousandths digit?
 - c. What is the value of the ten thousands digit?
 - d. What is the value of the thousandths digit?



2. The given decimal is 473,753.2930
 - a. Which is the ten thousandths digit?
 - b. Which is the thousandths digit?
 - c. What is the value of the thousands digit?
 - d. What is the value of the ten thousandths digit?



GADGETS ON SALE

G5
Advanced

Look for five gadgets on sale (the price must contain decimals). List them on the table below and complete what is asked.

In what ways do decimals useful in our daily living? Cite at least three.



Items	Decimal Number/s Found	Expanded Form



ANSWER GUIDE

Activity 1

Green:	Blue:
1,398.498	48.2005
27,238.190	487.0029
659,230.48	2,109.3298

Activity 3

1. Three thousand seven hundred twenty-eight and three thousand four hundred eighty-nine ten thousandths
2. Four thousand seven hundred eighty-three and two hundred eighty-four thousandths
3. Forty-three thousand seven hundred eighty-seven and five hundred ninety-six thousandths
4. Thirty-eight thousand two hundred ninety-three and nine thousand fifty-four ten thousandths

Activity 2

1. Five hundred forty-nine and two thousand nine hundred eighty-four ten thousandths
 $500+40+9+0.20+0.09+0.008+0.0009$
2. Thirteen thousand five hundred ninety-eight and three hundred seventy-six thousandths
 $13,000+500+90+8+0.30+0.07+0.006$

Activity 4

- | | |
|-----------|-------|
| 1. 0.003 | 6. D |
| 2. 0.0015 | 7. B |
| 3. 0.0004 | 8. E |
| 4. 0.011 | 9. A |
| 5. 0.0021 | 10. C |

Activity 5

1. F: Ten thousandths / third
2. F: thousands
3. F: thousandths / fourth



ANSWER GUIDE

Activity 6

1. 453.647
2. 69.9999
3. 842.105
4. 0.8371
5. 9.8962

Activity 8

1. Thousandth:ten thousandth
2. 0:7
3. 8:9
4. Ten thousandths: thousandths
5. Second:first

Activity 10

Answers may vary.

Activity 7

1. $400+80+3+0.10+0.09+0.008$
2. $1000+90+3+0.30+0.04+0.005$
3. $600+80+3+0.40+0.03+0.009+0.0008$
4. $100+30+7+0.50+0.04+0.002+0.0007$
5. $3000+900+80+2+0.10+0.07+0.004$

Activity 9

1. a. 7
b. 4
c. 80,000
d. 0.007
2. a. 0
b. 3
c. 3,000
d. 0.0000



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