4th Basic

5th Advanced

Helping With Math

USA GRADES

Tenths and Hundredths

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 tenths and hundredths.

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

Tenth

1 2 3 . 7 6 5

Hundredth

Tenth

- The first digit after the decimal point
- 1 / 10

Hundredth

- The second digit after the decimal point
- 1 / 100

1.32 is written as <u>One and thirty-two hundredths.</u>

CONCEPTS

Whole number

ones

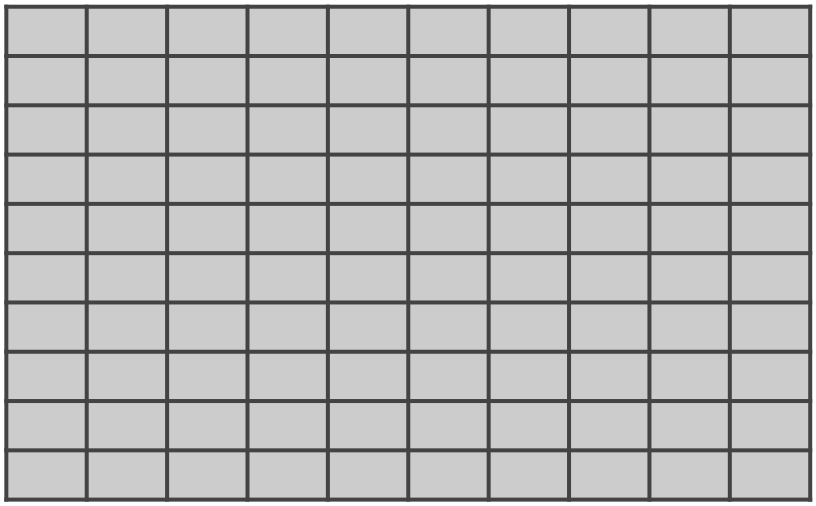
1.5

Decimal

tenths

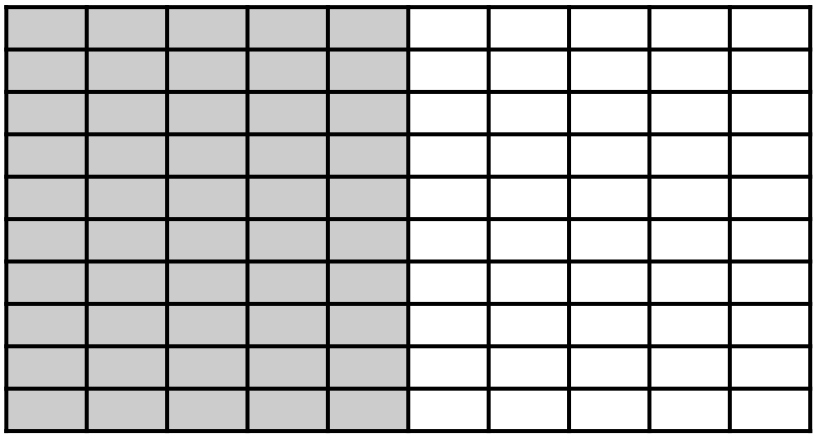
Decimal point

ONES



TENTHS

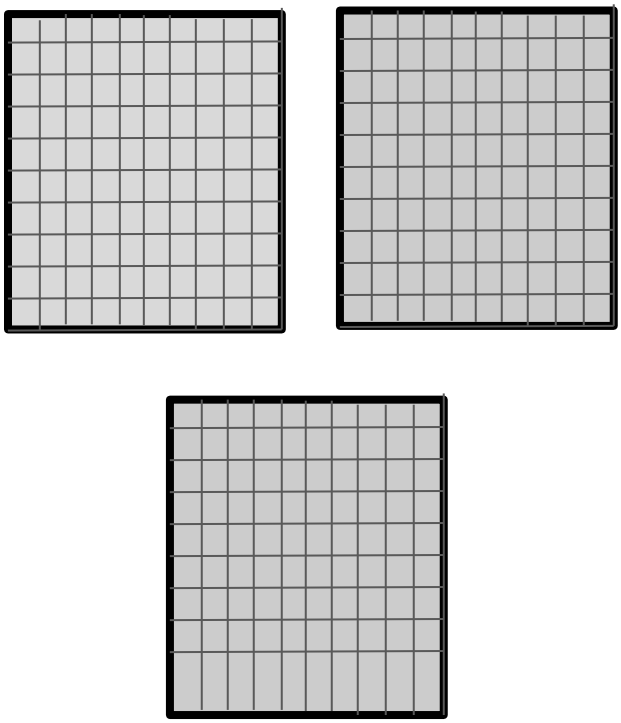
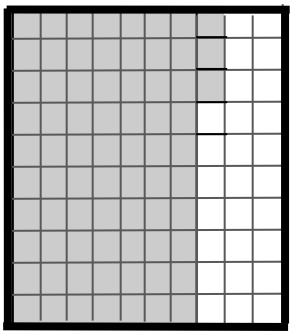
The shaded part is 5/10, which is represented by the decimal .5



MODELING DECIMAL NUMBERS

3.63

hundredths

ONES	HUNDRETHS
	

The shaded part is 63/100, and that is represented by the decimal .63

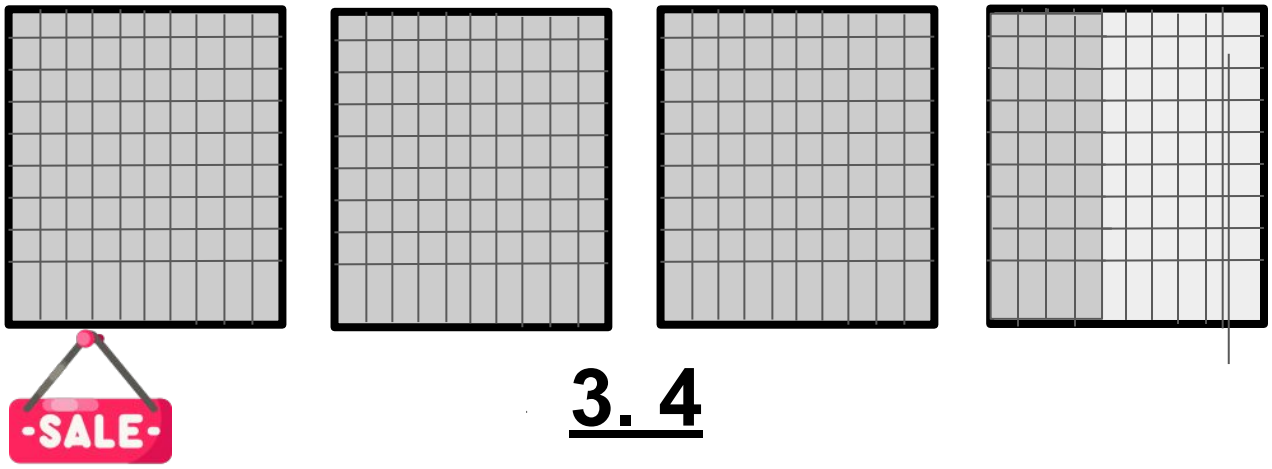
- Decimals are based on the power of 10. Hence, everytime you move to the right, the place value is divided by 10 (e.g. tenths, hundredths, thousandths and so on!).

- Tenths means 1/10, hundredths means 1/100 , and so on.

WRITING DECIMAL NUMBERS

Decimals can also be written in three different forms: **standard, expanded, and word forms.**

a. STANDARD FORM



3. 4

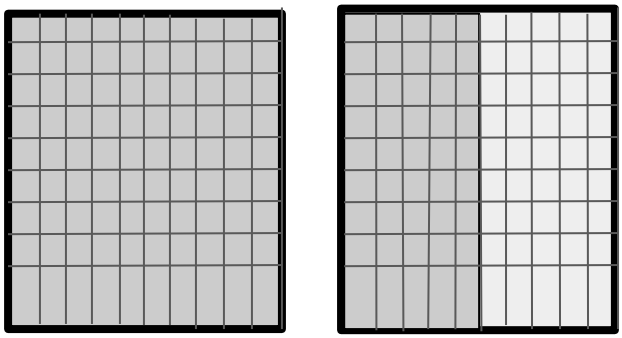
b. EXPANDED FORM

Write the numbers according to its place value.

Hundreds	Tens	Ones	*decimal*	Tenths	Hundredths
1	3	1	.	5	8

100 + 30 + 1 + 0.5 + 0.08

c. WORD FORM



1.5

One and five tenths

TABLE OF ACTIVITIES

Ages 8-9 (Basic)		4th Grade
1	Enjoy 50% Off	
2	Exclusive Colorful Deals	
3	Black Friday Offers	
4	Stores Are Now Open	
5	Add to Cart	
Ages 9-10 (Advanced)		5th Grade
6	One-Day Sale	
7	Online Shopping	
8	Sales Clerks' Dilemma	
9	Digit Sales	
10	Click and Shop	

ENJOY 50% OFF

G4
Basic

Enjoy 50% off this Black Friday sale by completing the task below.

Standard form:

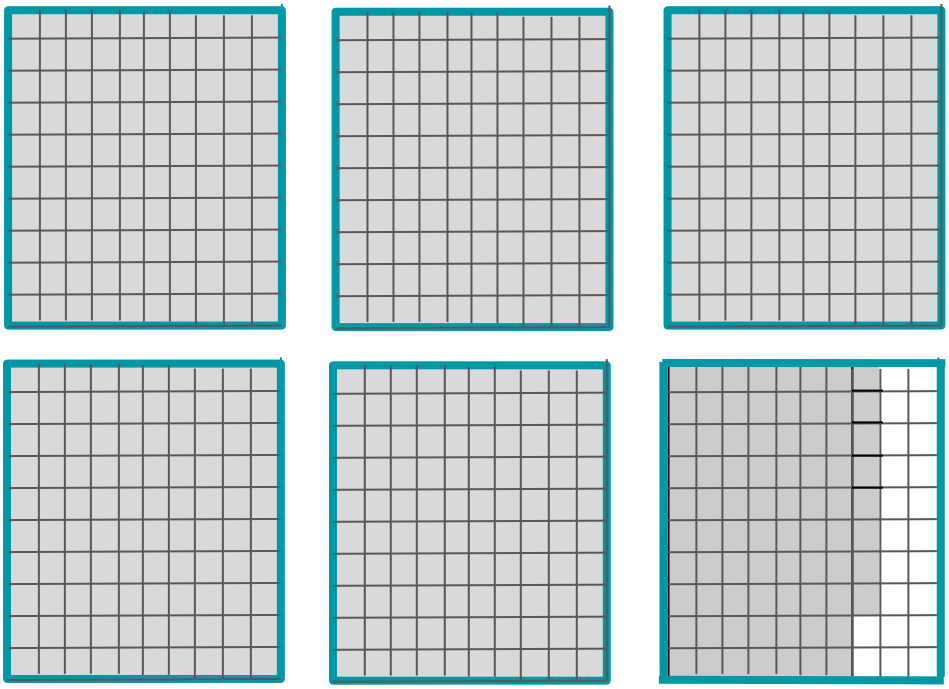
_____

Word form:

_____

Expanded Form:

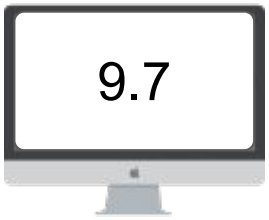
_____

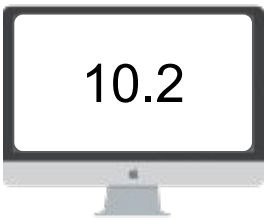


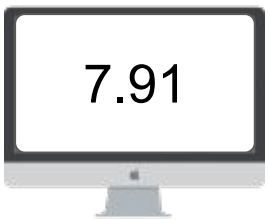
EXCLUSIVE COLORFUL DEALS

G4 Basic

Grab a special voucher this Black Friday Sale! All you need to do is to apply green color the decimals with up to tenth digit and yellow to the decimal with up to hundredth digit.







BLACK FRIDAY OFFERS!

G4 Basic

You have a chance to avail all the discount coupons if you will be able to write these decimals in words.

1) 22.38

2) 15.2

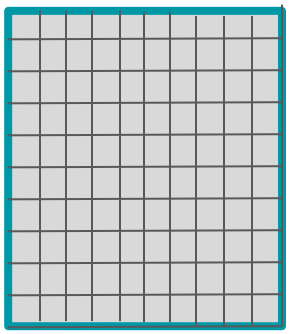
3) 9.9

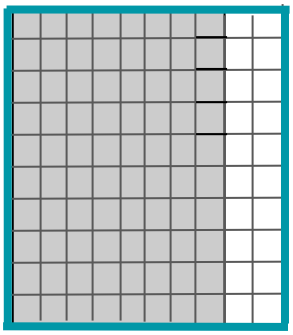
4) 10.31

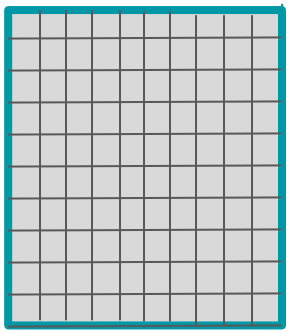
STORES ARE NOW OPEN!

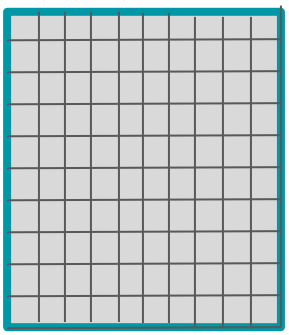
G4
Basic

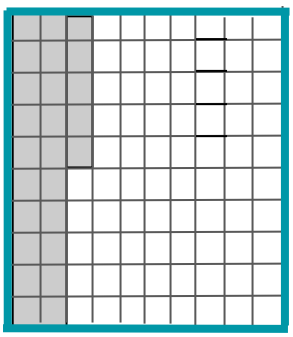
Hurry! Analyze each illustration below. Write the decimal number that is being shown in each item.

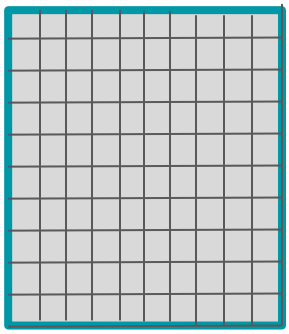


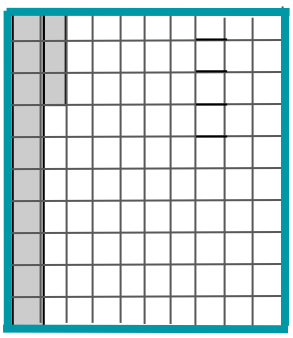












ADD TO CART

G4 Basic

Make sure to answer the following given and successfully add your favorites items to the cart!

COLUMN A	COLUMN B
_____ 1) three and two hundredths	A) 5.5
_____ 2) five and five tenths	B) 3.02
_____ 3) sixty-nine hundredths	C) 0.69
_____ 4) one tenths	D) 0.03
_____ 5) three hundredths	E) 0.1

Identification:

6) nine hundredths = _____

7) six tenths = _____

8) seven tenths = _____

9) seven hundredths = _____

10) six hundredths = _____

ONE-DAY SALE

G5 Advanced

Do not miss out this one-day sale by writing the following decimals into their expanded forms.

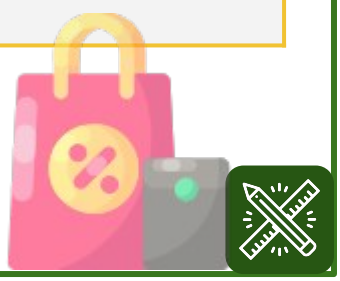
1) 11. 90 →

2) 7. 58 →

3) 21. 02 →

4) 64. 16 →

5) 58. 31 →



ONLINE SHOPPING

G5 Advanced

Express the following decimals in expanded form to their equivalent standard form to get these amazing discounts this Black Friday Sale!

1) _____ → 4 + 0.5 + 0.09

2) _____ → 20 + 3 + 0.3 + 0.03

3) _____ → 10 + 5 + 0.4 + 0.07

4) _____ → 0.9 + 0.08

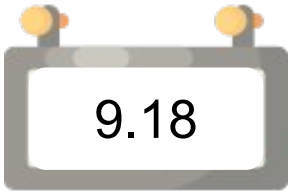
5) _____ → 5 + 0.5 + 0.05

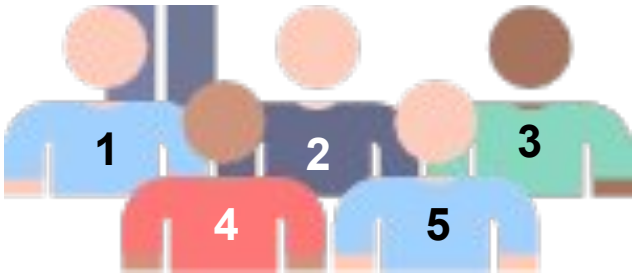
SALES CLERKS' DILEMMA

G5 Advanced

Extend a helping hand to these sales clerks so that they can solve their dilemma.

The Moonstar Mall is having a Black Friday Sale! However, there is a confusion among the sales clerks regarding the discounts that they will offer.





_____1. Sales clerk 2 tells the class that the first decimal number is a number with hundredths digit.

_____2. Sales clerk 5 tells the class that in the second given, the tenths digit is 9.

_____3. Sales clerk 4 tells the class that in the first given, the hundredths digit is 1.

_____4. Sales clerk 1 tells the class that the two given decimal numbers have tenths digit.

_____5. Sales clerk 3 tells the class that the second decimal is less than the first.

DIGIT SALES

G5 Advanced

Grab some free vouchers for the Black Friday Sale as you answer the following digit problems.

1. The given decimal is 958. 13.
   a. Which is the tens digit?
   b. Which is the hundredths digit?
   c. How about the tenths digit?
   d. What is the value of the hundredths digit?

2. The given decimal is 221. 64.
   a. Which is the hundreds digit?
   b. Which is the ones digit?
   c. How about the hundredths digit?
   d. What is the value of the tenths digit?

CLICK AND SHOP

G5 Advanced

Head over to one of the online shopping platforms on your devices. Look for 5 items on sale (the price must contain decimals). List them on the table below and complete what is asked.

Items	Decimal Number/s Found	Expanded Form

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

ANSWER GUIDE

Activity 1

Standard form: 5.68
hundredths

Word Form: Five and sixty-eight
Expanded Form: 5 + 0.6 + 0.08

Activity 2

Blue:	Yellow:
5.3	6.39
9.7	8.20
10.2	7.91
3.2	4.12

Activity 3

1. Twenty-two and thirty-eight hundredths
2. Fifteen and two tenths
3. Nine and nine tenths
4. Ten and thirty-one hundredths

Activity 4

1. 1.8
2. 2.25
3. 1.13

Activity 5

1. B
2. A
3. C
4. E
5. D
6. 0.09
7. 0.6
8. 0.7
9. 0.70
10. 0.60

Activity 6

1. 10+1+0.9
2. 7+0.5+0.8
3. 20+1+0.02
4. 60+4+0.1+0.06
5. 50+8+0.3+0.01

Activity 7

1. 4.59
2. 23.33
3. 15.47
4. 0.98
5. 5.55

ANSWER GUIDE

Activity 8

1. Hundredths - tenths
2. 9 - 1
3. 1 - 9
4. Tenths - hundredths
5. True

Activity 9

1. a. 8
   b. 3
   c. 1
   d. 0.03

2. a. 2
   b. 1
   c. 4
   d. 0.6

Activity 10

Answers may vary.

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