



Third Edition 2023

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Complete the numbers and read:













Write what comes before, between, or after.



• Match the o'clock with its time.



O Complete the missing days of the week .



## Write the missing numbers.

O Complete the number line.

Draw the beads in the abacus for the given numbers like in the first example.



# **3-Digit** Numbers

# Unit 1



abacus



- Count numbers with 3-digits.
- Read and write numbers in words up to 999.
- Compare and arrange 3-digit numbers.
- Recognize even and odd numbers.





# (1-1) 3-Digit Numbers.

Three-digit numbers are divided into units of hundreds, tens, and ones. Always start analyzing from the far right units.



Hundreds	Tens	Ones
		=241 Two hundred and forty one
2 Hundred	4 Tens	1



# Omplete the chart.

Number	Hundreds	Tens	Ones	
145	1	4	5	
371	3	7	1	
823	8	2	3	
706	7	0	6	

# O Write the value of the digits in the place named.







### O Circle the correct number.



At home.

Collect a number from each column to create your own number, then write it in the box.





To compare between numbers, first; line up the digits of each number, then compare starting from the left.





### $\bigcirc$ Write the correct sign (> , < or =).



### O Circle the greatest number.



We can arrange numbers in ascending or descending order.

Ascending order: arrange numbers from the smallest to the greatest.

Descending order: arrange numbers from the greatest to the smallest.



Arrange 589, 958, 855 and 623 in descending order.

The descending order is:

958	855	623	589	
-----	-----	-----	-----	--

O Arrange in ascending order.

625	321	584	965
321	584	625	965

325	235	252	322
235	252	322	325

Arrange in descending order.

585	978	785	654
978	785	654	585

218	475	312	865
865	475	212	218

# (1-4) Even and Odd Numbers.

Look at the picture.

Even	Odd 🦉
0	1 •
2	3 🚺
4	5
6	7
8	9

• Even number: is the number that has pairs.

• Odd number: is the number that can't have pairs.

## O Count the blocks. Write the number. Circle odd or even.







#### At home

Write in the boxes the even numbers and the odd numbers less than 10.



# (1-5) Problem solving.

Ammar's basketball team won the playoff this year. Their final score was a 3-digit number. There was 2 in the ones place, 5 in the tens place, and 1 in the hundreds place. What was their score?

#### 152



2

Alaa and Mariam have rock collections. Alaa has 362 rocks and Mariam has 329 rocks. Who has the greatest collection of rocks?

## Alaa **362**

Lina rolled a dice and got a 5, 6, and a 3. What is the greatest number she can have with those 3-digits?









#### Place the number value.

Number	Hundreds	Tens	Ones
302	3	0	2
985	9	8	5
125	1	2	5

Write the value of the underlined numbers.



Write the numbers in words.

120 One hundred and twenty

- 300 Three hundred
- 921 Nine hundred and twenty one
- 505 Five hundred and Five





#### At home.

Write four numbers into 3-digits, then arrange them in ascending order.

The numbers					
	361	943	652	400	



# Working with 2 and 3-Digit Numbers



# Vocabulary -

- add
- addition
- addend
- sum
- subtract
- subtraction
- subtrahend
- difference
- regrouping

**Objectives** 



- Add 2 and 3-digit numbers without regrouping.
- Add 2 and 3-digit numbers with regrouping.
- Subtract 2 and 3-digit numbers without regrouping.
- Subtract 2 and 3-digit numbers with regrouping.

# (2-1) Adding 2-Digit Numbers.

Adding numbers without regrouping.





# Add.

29	27	68	55	36
+52	+45	+06	+35	+44
8 1	72	74	90	8 0

Add.

1	1	1	1	1
7 0			0 5	
79	45	14	25	18
+14	+26	+37	+46	+59
93	7 1	5 1	7 1	77



• Write two numbers with the sum (74).

```
39 + 35 = 74
39 + 35 = 74
39 + 35 = 74
+35 = 74
```

# O — (2-2) Subtracting 2-Digit Numbers.



Subtract.







Write two numbers with the difference of an odd number.

51 - 29 = 22  $\begin{array}{r} 4 & 11 \\ 5 & 1 \\ - 2 & 9 \\ \hline 2 & 2 \end{array}$ 

# ○ - (3-2) Adding and Subtracting 3-Digit Numbers.



Add.

1 342 + 108 450	1 224 + 125 349	432 + 313 745
1 1	1 1	1
577	799	801
+ 384	+ 138	+ 99
961	937	900



**Subtract**.

<sup>2</sup> <sup>11</sup> <sup>15</sup> <b>325</b>	232	<sup>5</sup> <sup>13</sup> <sup>14</sup> <b>6 4 4</b>
167	- 121	- 477
158	111	167
7 <sup>12</sup> 982	737	999
409	- 480	- 876
573	257	123

# Find the answer.

77	64	59	80
+ 62	+ 31	- 47	- 70
139	95	12	10
84	108	160	103
- 14	- 72	- 98	- 83
70	36	62	20
	42	37	400
	+ 73	+ 89	- 257
	115	126	143

# (2-4) Problem Solving.

Adam read 29 pages on Saturday and 19 pages on Sunday. How many more pages did he read on Saturday?

Rita sold 117 apples, 113 oranges and 197 pears. How many pieces of fruit did she sell altogether?

There are 62 elephants in the herd. 42 are females. How many males are in the herd?

29 - 19	
10	
117	
+113	
197	
427	
62	
- 42	
20	



# Multiplication and Division.

# Unit 3
#### Vocabulary

- multiplication
- multiply
- multiplication table
- repeated addition
- product
- division
- divide
- divisor
- dividend
- quotient

## Objectives



- Explain the relationship between multiplication and addition.
- Practice multiplication facts up to 5×10.
- Explain the relationship between division and multiplication.
- Define dividend, divisor, and quotient.
- Perform simple division exercises.



## (3-1) Understanding Multiplication.



Multiplication is a repeated addition.

#### Ount and write the number.







Use the numbers line to find.



## $\bigcirc$ — (3-2) Multiplication up to 5×10.

We can memorize the multiplication facts for any number by studying the multiplication table.

#### Multiplication Table





#### O Circle the right answer.



#### O Complete the multiplication table.

×1	×2	×3	×4	×5
1 × 1 = 1	1×2= 2	1×3= 3	1×4= 4	1×5= 5
2×1= 2	2×2= 4	$2\times3=6$	<b>2</b> ×4 = <b>8</b>	$2 \times 5 = 10$
3×1= 3	3×2= 6	3×3= 9	3×4= <b>12</b>	$3 \times 5 = 15$
4×1= 4	<b>4</b> × <b>2</b> = <b>8</b>	4×3= 12	4×4= <b>16</b>	4×5= <b>20</b>
5×1= 5	5×2= 10	$5\times3=15$	5×4= <b>20</b>	$5 \times 5 = 25$
6×1= 6	6×2= 12	6×3= 18	6×4= <b>24</b>	$6\times5=30$
7×1= 7	7×2= 14	7×3= 21	7×4= <b>28</b>	$7 \times 5 = 35$
8×1= 8	8×2= 16	8×3= 24	8×4= <b>32</b>	$8\times5=40$
9×1= 9	9×2= 18	9×3= 27	9×4= <b>36</b>	9×5= <b>45</b>
10×1= 10	10×2= <b>20</b>	$10 \times 3 = 30$	$10 \times 4 = 40$	$10 \times 5 = 50$

Your Work



## (3-3) Understanding Division.

If we want to distribute the number 15 to three equal groups:





## (3-4) Problem Solving.



Rami visited a store to buy 2 flash drives. They were priced at 4 JDs each. What is the total price of both flash drives?

#### $\mathbf{2}\times\mathbf{4}=\mathbf{8}$

Leen has 15 oranges. If she divides them equally in 3 groups, how many oranges will each group have?

#### $15\div 3=5$



If there are 40 children waiting to go on a rollercoaster and each car can hold 5 people. How many cars will be filled?

#### $40 \div 5 = 8$



During a practice session, Shadi swam an average of 9 laps per session, if he attended 4 practice sessions, how many laps will he be able to cover on average?









**Show Your Turn** 

#### Fill in the blanks.



#### • Find the product.





# Measurement





- length
- meter (m)
- time
- digital clock
- hour
- half past
- calendar
- months of the year
- January
- March
- May
- July
- September
- November
- days of the week
- Sunday
- Tuesday
- Thursday
- Saturday

### Objectives



- Name the standard metric unit of length.
- Estimate and measure the length of objects in centimeters and meters.
- Differentiate between analog and digital clocks.
- Tell the time.
- Recognize the order of the days of the week, and the months of the year.

- centimeter( cm )
- analog clock
- minutes
- month
- February
- April
- June
- August
- October
- December
- Monday
- Wednesday
- Friday



## O ──── (4-1) Length.

**Length:** is a measure of how long an object is, or the distance between two points. The unit of measuring length is centimeters (cm) or, meters (m)



O Circle the appropriate length unit to measure each object.



#### Measure each object to the nearest (cm).





#### O Circle the right answer.



Clocks give us time in hours and minutes. There are 2 types of clocks: analog and digital







O Write the time in each clock.



### (4-3) Calendar Months of the Year.

- Months of the year Calendar 2018 April February 
   Wik
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   13
   2

   14
   2

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   4 11 18 25 \* \* \* \* \* 8 9 9 9 9 8 9 9 9 9 3 4 5 8 7 8 10 11 12 13 14 18 17 18 19 20 21 22 24 25 26 27 28 29 36 37 38 39 8 9 15 16 9 16 23 23 30 1 31
- We have 12 months in the year starting with January and ending with December.
- We have 7 days in the week.



#### Write the missing letter.

October

10

11



12

December

November

#### O Use the calendar below to answer the following questions.

April 2018 Sunday Monday Tuesday Wednesday Thursday Friday Saturday									
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								

- 1 The first day of April is ....Sunday.....
- 2 April is the ....Fourth...(seventh, fourth) month of the year.



## (4-4) Days of the Week.

• **Yesterday:** is the day before today.

• **Tomorrow:** is the day after today.



#### Write the correct day.

Yesterday	Today	Tomorrow
Thursday	Wednesday	Thursday
Sunday	Monday	Tuesday
Wednesday	Thursday	Friday
Monday	Tuesday	Wednesday
Saturday	Sunday	Monday
Friday	Saturday	Sunday
Thursday	Friday	Saturday

## Look at part of Maha's work schedule and answer the questions.





#### Estimate how many meters?



**Show Your Turn** 

#### Circle the correct answer.



## Geometry and Patterns

# Unit 5

# O — Vocabulary –

shapes

• side	<ul> <li>vertex (corner)</li> </ul>
<ul> <li>fraction</li> </ul>	<ul> <li>equal parts</li> </ul>
• whole	part
• half	halves
one-third	<ul> <li>one-fourth (quarter)</li> </ul>
<ul> <li>numerator</li> </ul>	<ul> <li>denominator</li> </ul>

pattern





- Find the number of sides, vertices of a two dimensional shape.
- Define what a fraction is.
- Recognize the numerators and denominators.
- Analyze patterns.
- Recognize types of patterns.





I am a shape with 3 straight sides and 3 vertices, who am I ?" Draw to solve.









Complete.

Fraction	Numerator	Denominator
<mark>1</mark> 4	1	4
1 2	1	2
<u>1</u> 3	1	3



## O ── (5-3) Patterns.

A pattern: is a repeated design that is in an ordered set of numbers, shapes or other mathematical objects that are arranged according to a rule.



## (5-4) Problem Solving

Amal wants to save 2 coins daily for one week. How many coins will she save at the end of the week?

Sunda	y	Monday		Tuesday		Wednesday		Thursday		<u>Friday</u>		Saturday
2	+2	<u>4</u>	+2	<u>6</u>	+2	<u>8</u> +	+2	<u>10</u>	+2	<u>12</u>	+2	<u>14</u>

Note that if Sally adds two coins everyday.

Sally can collect 14 coins at the end of the week.

#### How many coins will she save at the end of three weeks?

She will have 14 coins

#### Find how many coins Tala can collect?



**Show Your Turn** 

Complete the number patterns. +1 +2 \_10 +3 +2 \_\_11\_ Write the fractions. Ĵ Δ Draw according to the fractions below. 

