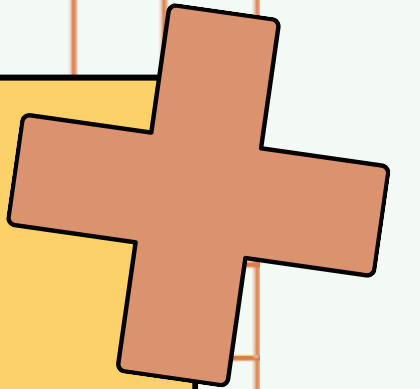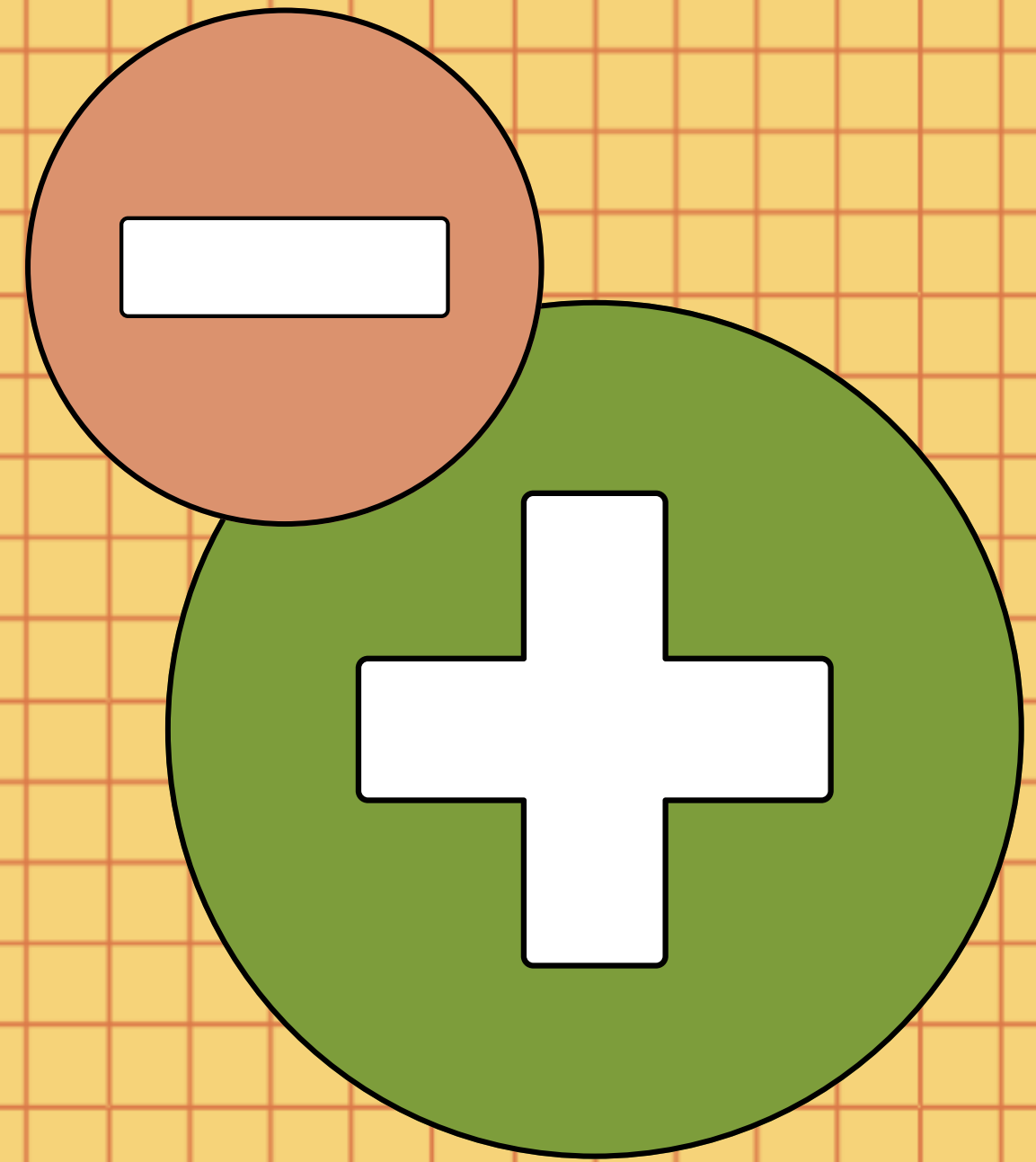# Addition and Subtraction Operations

Grade 3
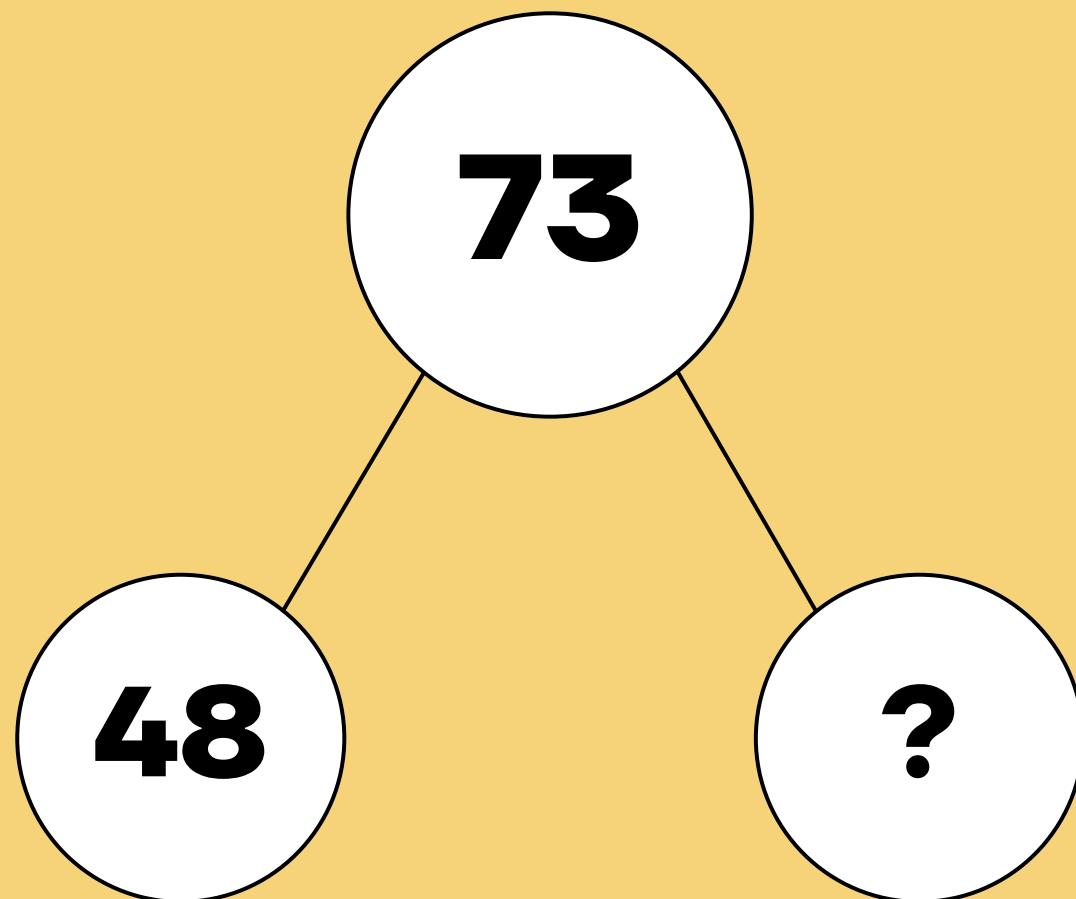
# Learning Objective

How to add and subtract 2-digut and 3-digit numbers with and without regrouping, using mental math and written methods, and apply these skills to solve real-life problems.
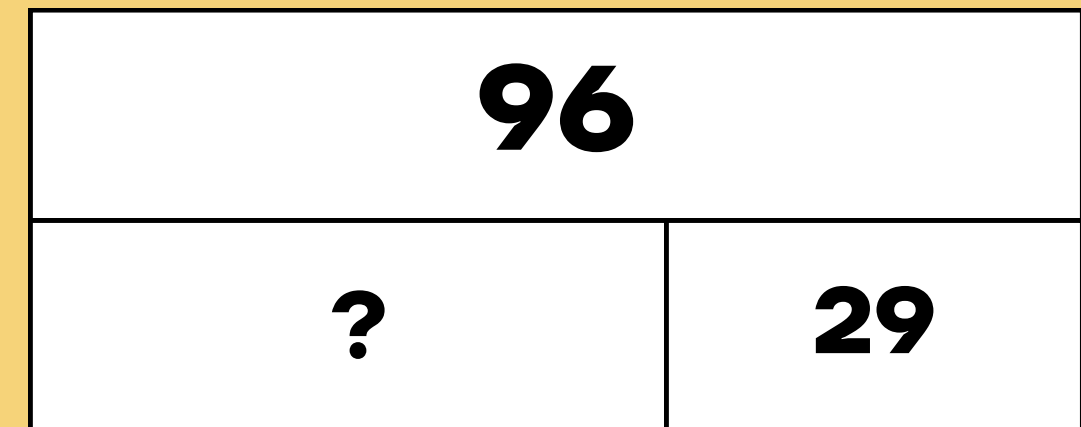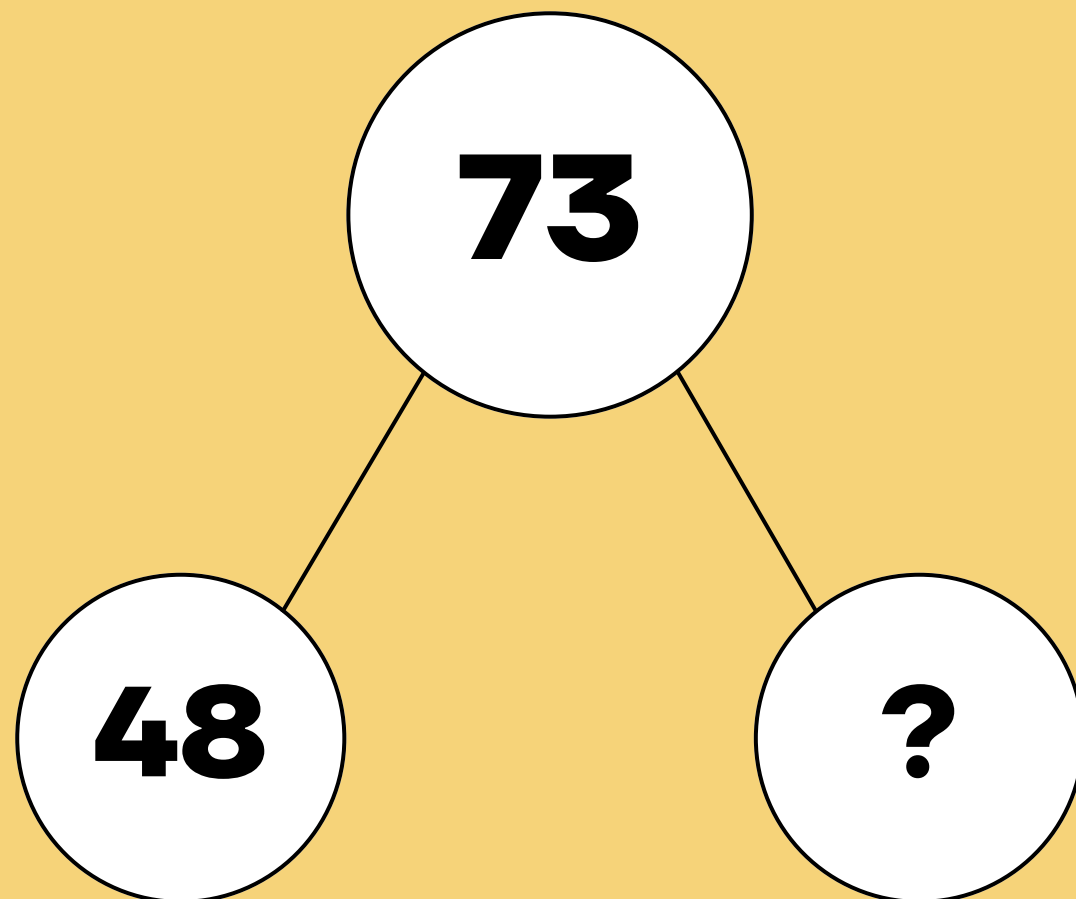
## Part Whole Model

Complete the part whole model:

73

48    ?

## Bar Model

Complete the bar model:

| 96 | |
|---|---|
| ? | 29 |

## Part Whole Model

Complete the part whole model:

73

48    ?

## Solution:

**73 – 48 = 25**

### The fact families:

48 + 25 = 73

25 + 48 = 73

73 – 48 = 25

73 – 25 = 48

## Bar Model

Complete the bar model:

| 96 | |
|---|---|
| ? | 29 |

## Solution:

**96 – 29 = 67**

### The fact families:

67 + 29 = 96

29 + 67 = 96

96 – 29 = 67

96 – 67 = 29
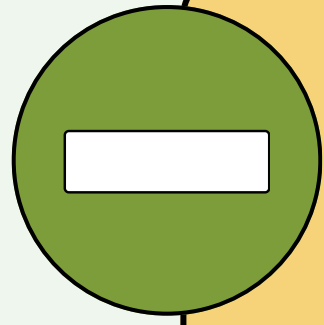
67 + 25 =

82

92

88

90

67 + 25 =

82

92

88

90
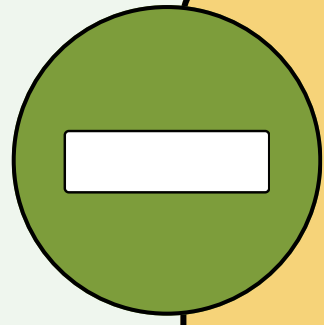
# 800 - 374 =

426

436

444
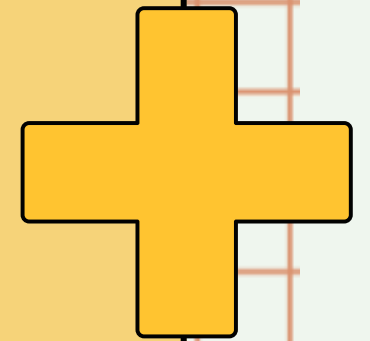
456

# 800 - 374 =

| 426 | 436 |
|-----|-----|
| 444 | 456 |

## Addition and Subtraction Word Problem

Liam had 127 marbles. His friends gave him 86 more. How many marbles does Liam have now?

Sarah had 245 stickers. She gave 98 stickers to her friends. How many stickers does she have left?
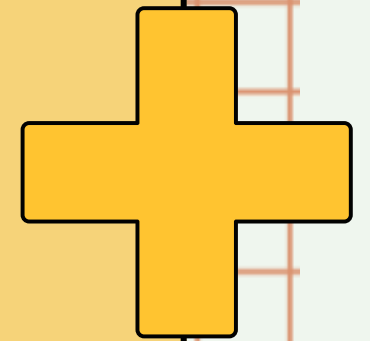
# Addition and Subtraction Word Problem

Noah has 479 toy cars in his collection. He gets some new cars for his birthday. He now has 512 cars. How many cars did he get for his birthday?
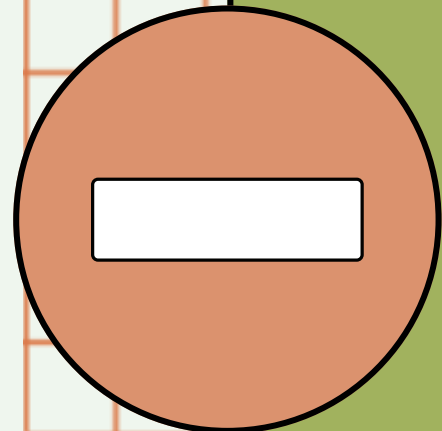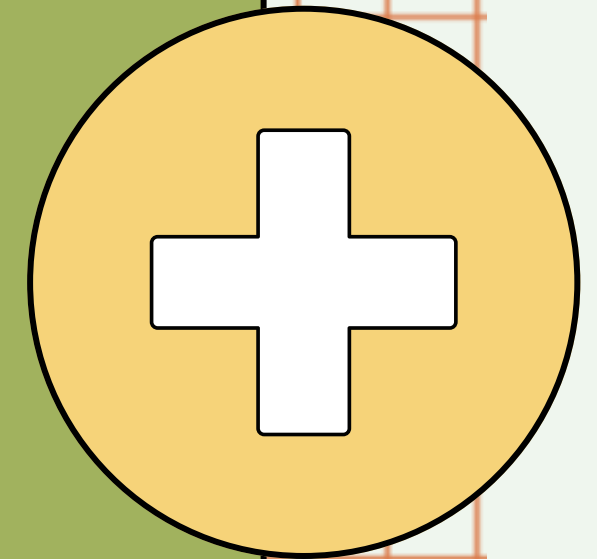
| 512 | |
|---|---|
| 479 | 33 |

**479 + ? = 512**

**512 - 479 = 33**

You can use inverse operation to find the answer...

# Any Questions?

Thank you for listening.

# Add carefully.

| | 9 9 6 | | | 8 9 6 | | | 7 9 5 |
|---|---|---|---|---|---|---|---|---|
| + | 9 7 8 | | + | 9 6 8 | | + | 9 9 8 |

| | 5 9 8 | | | 5 9 7 | | | 5 9 6 |
|---|---|---|---|---|---|---|---|---|
| + | 9 5 8 | | + | 9 3 8 | | + | 9 2 8 |

# Subtract carefully.

| | 9 2 6 | | | 8 3 5 | | | 9 5 6 |
|---|---|---|---|---|---|---|---|---|
| − | 6 5 8 | | − | 3 6 8 | | − | 5 9 8 |

| | 9 2 3 | | | 7 5 3 | | | 8 2 3 |
|---|---|---|---|---|---|---|---|---|
| − | 5 6 7 | | − | 3 7 8 | | − | 3 8 6 |