

## Task 2.2

# Tricky calculations?

Working in pairs

find out some secrets

about computing with calculators

## ● Task

### 2.2

# Exercise 1

## Step 1

Use an arithmetic calculator (you have one on your mobile phone) to find the answer

1a.  $3.5+2=$

1b.  $2+3.5=$

## Step 2

Find the answer by mental calculation

## Step 3

Use a scientific calculator to check your answers

# **Your challenge**

**Lets talk Maths**

**Discuss your findings in English**

**Need help?**

**Go to Language help box 2**

- **Task**

**2.2**

# Exercise 1

Were your calculations with the arithmetic calculator wrong?

Why?

Were your mental calculations wrong?

Why?

## ● Task

### 2.2

# Exercise 2

## Step 1

Use an arithmetic calculator (you have one in your mobile phone) to find the answer

2a.  $6+12:3=$

2b.  $12:3+6=$

## Step 2

Find the answer by mental calculation

## Step 3

Use a scientific calculator to check your answers

- **Task**

**2.2**

# Exercise 2

Were your calculations with the arithmetic calculator wrong?

Why?

Were your mental calculations wrong?

Why?

● Task

2.2

# Exercises 3 and 4

Follow steps 1, 2, and 3 again

3a.  $3 \cdot 5 - 2 =$

3b.  $18 - 3 \cdot 5 =$

4a.  $6 \cdot 5 + 2 =$

4b.  $6 \cdot (5 + 2) =$

- **Task**

**2.2**

# Exercise 3 and 4

Were your calculations with the arithmetic calculator wrong?

Why?

Were your mental calculations wrong?

Why?



## ● Task

### 2.3

# Discussing our findings

Which answers are different in exercise

- 1a? Why?
- 1b? Why?
- 2a? Why?
- 2b? Why?
- 3a? Why?
- 3b? Why?
- 4a? Why?
- 4b? Why?

● **Task**

**2.4**

# Making a CRIB

Order of operations:

organise the symbols in three levels  
according to priority

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

-

•

( )

:

+

## ● Task

### 2.5

# Problem solving

1. Make up an exercise about order of operations with at least 5 operations
2. Write the answer but **not** the process
3. Give the exercise to the other pair of students in your group
4. They have to work how the answer was reached

**Careful !**

**The answer must be a natural number**