

Lesson 2: AutoSum, MIN, MAX and Average




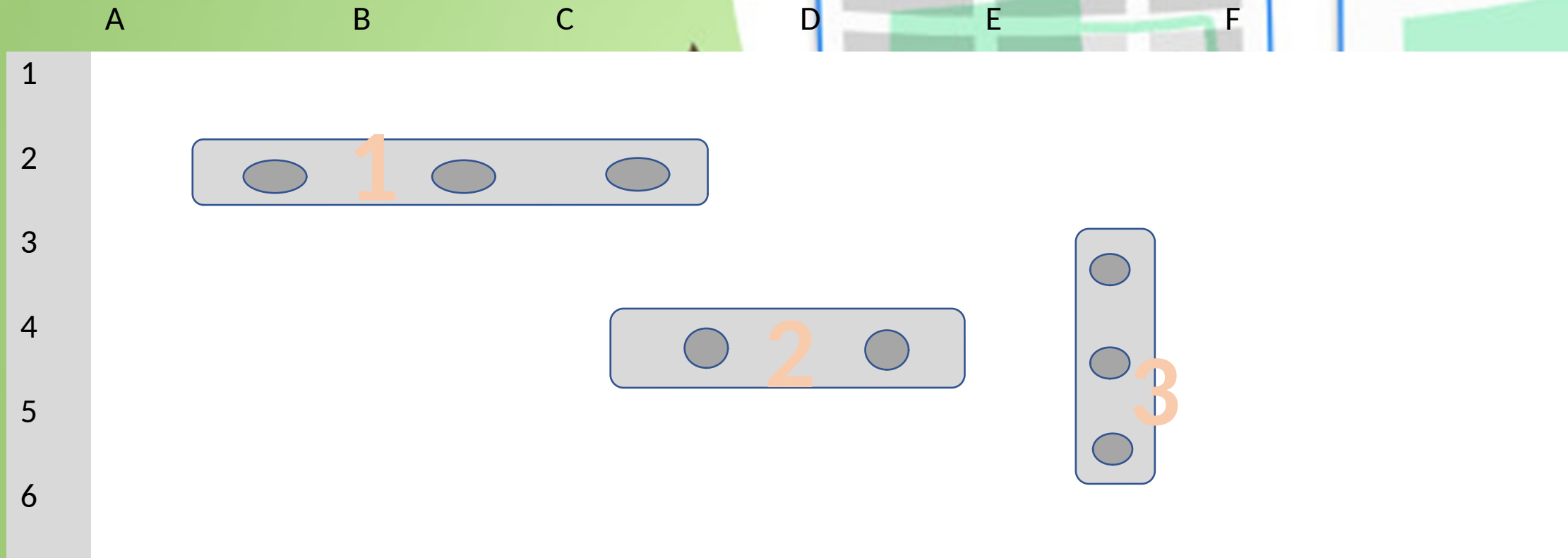
Learning Objective:

To know and understand how to use AutoSum, Min, Max and Average functions in excel to solve problems

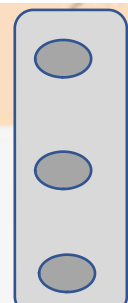
Date

Starter

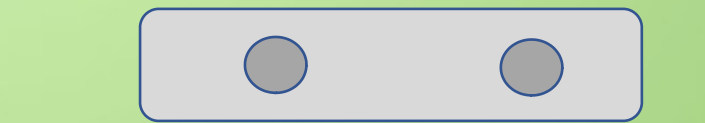
Battleships: Identify the cell references for each of the ship
Extension: Right your answer as the cell range



1



2



3

Task 1

Match the Function with the meaning

Function

Sum

Min

Max

Average

Meaning

Identifies the **SMALLEST** data value in a data set

Identifies the **LARGEST** data value in a data set

Finds the **MEAN** value of a specific cell range

Calculates the total some of specific cell range

Task 2

My Cinema

Films	Ticket Sales							Total Weekly Ticket Sales (for each film)
	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	
Quantum of Solace	£800.00	£2,700.00	£2,100.00	£400.00	£350.00	£200.00	£250.00	
Dark Knight	£500.00	£2,000.00	£1,500.00	£200.00	£250.00	£100.00	£150.00	
Yet another Harry Potter Movie	£100.00	£250.00	£200.00	£75.00	£300.00	£0.00	£50.00	
Wall-E	£500.00	£1,500.00	£1,400.00	£300.00	£200.00	£100.00	£200.00	
Indiana Jones	£750.00	£1,000.00	£850.00	£450.00	£150.00	£50.00	£100.00	
Mamma Mia	£950.00	£900.00	£850.00	£400.00	£350.00	£250.00	£400.00	
Kung Fu Panda	£650.00	£1,100.00	£650.00	£325.00	£250.00	£50.00	£250.00	

Least Ticket Sales (MIN)

Most Ticket Sales (MAX)

End of Week

Average Ticket Sales (AVERAGE)

1. Calculate the Total Weekly Ticket sales for each film using the **SUM** function.

2. Calculate the best-selling and worst-selling film for each day and the Total using the **MIN** and **MAX** functions.

3. Work out the average ticket sales for each day and the final Total, using the **AVERAGE** function.

Extension Task

Use the data from your cinema spreadsheet to answer the questions below

- 1 On Saturday, which film sold the most tickets?
- 2 On Tuesday, which movie had the lowest ticket sales? What function did you use to find this out?
- 3 At the end of the week, which movies are doing better than the end of week **AVERAGE** Ticket Sales?
- 4 On which day was the most tickets sold for a particular movie?
- 5 On which day was the least tickets sold for a particular movie?
- 6 A new blockbuster movie is coming out next week, which movie should we get rid of in order to show it and why?

Self assessment

Knowledge and skills

I can identify what the Sum, Min, Max and average functions do

I can use the Sum, Min, Max and average functions with support

I can independently use the Sum, Min, Max and average functions with support