

# *Hlookup Exercises*

## Worksheet: SalesData

	Jan	Feb	Mar	Apr	May
Product A	120	130	140	150	160
Product B	150	160	170	180	190
Product C	200	210	220	230	240
Product D	90	100	110	120	130
Product E	220	230	240	250	260
Product F	130	140	150	160	170

## Question

1. Use HLOOKUP to find the sales for Product A in March.
2. Use HLOOKUP to find the sales for Product D in May.
3. Use HLOOKUP to find the sales for Product C in February.
4. Use HLOOKUP to find the sales for each month for a product, then calculate the total sales for that product.
5. Use HLOOKUP to find the maximum sales value for Product B across all months.
6. Use HLOOKUP to find the minimum sales value for Product F across all months.
7. Use HLOOKUP to find the average sales value for Product E across all months.

## Answer

- 1. Use HLOOKUP to find the sales for Product A in March.**

Book1 - Microsoft Excel

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	A	B	C	D	E	F	G	H	I	J	K
1		Jan	Feb	Mar							
2											
3	Product A	120	130	140							
4											
5											
6											
7											
8											
9											
10											

Formula :  
=HLOOKUP(D1,'SalesData'!A1:F7,2,0)

- 2. Use HLOOKUP to find the sales for Product D in May.**

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1		Jan	Feb	Mar	Apr	May							
2	Product A	120	130	140	150	160							
3	Product B	150	160	170	180	190							
4	Product C	200	210	220	230	240							
5	Product D	90	100	110	120	130							
6													
7													
8													
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Formula:  
=HLOOKUP(F1,'SalesData'!A1:F7,5,0)

### 3. Use HLOOKUP to find the sales for Product C in February.

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	A	B	C	D	E	F	G	H	I
1		Jan	Feb	Mar	Apr	May			
2	Product A	120	130	140	150	160			
3	Product B	150	160	170	180	190			
4	Product C	200	210	220	230	240			
5									
6									
7									
8									
9									

Formula:  
=HLOOKUP(C1,'SalesData'!A1:F7,4,0)

### 4. Use HLOOKUP to find the sales for each month for a product, then calculate the total sales for that product.

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1		Jan	Feb	Mar	Apr	May	Total										
2	Product A	120	130	140	150	160	700	=SUM(B2:F2)									
3	Product B	150	160	170	180	190	850	=SUM(B3:F3)									
4	Product C	200	210	220	230	240	1100	=SUM(B4:F4)									
5	Product D	90	100	110	120	130	550	=SUM(B5:F5)									
6	Product E	220	230	240	250	260	1200	=SUM(B6:F6)									
7	Product F	130	140	150	160	170	750	=SUM(B7:F7)									

Formula:  
=SUM(B2:F2)  
=SUM(B3:F3)  
=SUM(B4:F4)  
=SUM(B5:F5)  
=SUM(B6:F6)  
=SUM(B7:F7)

Formulas: (sales for each month for Product A)  
 =HLOOKUP(B1,'SalesData'!A1:F7,2,0)  
 =HLOOKUP(C1,'SalesData'!B1:G7,2,0)  
 =HLOOKUP(D1,'SalesData'!A1:F7,2,0)  
 =HLOOKUP(E1,'SalesData'!D1:I7,2,0)  
 =HLOOKUP(F1,'SalesData'!E1:J7,2,0)

(sales for each month for Product B)  
 =HLOOKUP(B2,'SalesData'!A2:F8,2,0)  
 =HLOOKUP(C2,'SalesData'!B2:G8,2,0)  
 =HLOOKUP(D2,'SalesData'!A2:F8,2,0)  
 =HLOOKUP(E2,'SalesData'!D2:I8,2,0)  
 =HLOOKUP(F2,'SalesData'!E2:J8,2,0)

(sales for each month for Product C)  
 =HLOOKUP(B3,'SalesData'!A3:F9,2,0)  
 =HLOOKUP(C3,'SalesData'!B3:G9,2,0)  
 =HLOOKUP(D3,'SalesData'!A3:F9,2,0)  
 =HLOOKUP(E3,'SalesData'!D3:I9,2,0)  
 =HLOOKUP(F3,'SalesData'!E3:J9,2,0)

(sales for each month for Product D)  
 =HLOOKUP(B4,'SalesData'!A4:F10,2,0)  
 =HLOOKUP(C4,'SalesData'!B4:G10,2,0)  
 =HLOOKUP(D4,'SalesData'!A4:F10,2,0)  
 =HLOOKUP(E4,'SalesData'!D4:I10,2,0)  
 =HLOOKUP(F4,'SalesData'!E4:J10,2,0)

(Sales for each month for Product E)  
 =HLOOKUP(B5,'SalesData'!A5:F11,2,0)  
 =HLOOKUP(C5,'SalesData'!B5:G11,2,0)  
 =HLOOKUP(D5,'SalesData'!A5:F11,2,0)  
 =HLOOKUP(E5,'SalesData'!D5:I11,2,0)  
 =HLOOKUP(F5,'SalesData'!E5:J11,2,0)

(Sales for each month for Product F)  
 =HLOOKUP(B6,'SalesData'!A6:F12,2,0)  
 =HLOOKUP(C6,'SalesData'!B6:G12,2,0)  
 =HLOOKUP(D6,'SalesData'!A6:F12,2,0)  
 =HLOOKUP(E6,'SalesData'!D6:I12,2,0)  
 =HLOOKUP(F6,'SalesData'!E6:J12,2,0)

### 5. Use HLOOKUP to find the maximum sales value for Product B across all months.

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	A	B	C	D	E	F	G	H	I	J	K	L
1		Jan	Feb	Mar	Apr	May						
2	Product A	120	130	140	150	160	Max					
3	Product B	150	160	170	180	190	190					
4	Product C	200	210	220	230	240						
5	Product D	90	100	110	120	130						
6	Product E	220	230	240	250	260						
7	Product F	130	140	150	160	170						
8												
9												
10												
11												

formula: (maximum sales for Product B)  
=MAX(HLOOKUP(B1:F1,'Q5'!A1:F7,3,0))

### 6. Use HLOOKUP to find the minimum sales value for Product F across all months.

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	A	B	C	D	E	F	G	H	I	J	K	L
1		Jan	Feb	Mar	Apr	May						
2	Product A	120	130	140	150	160						
3	Product B	150	160	170	180	190						
4	Product C	200	210	220	230	240						
5	Product D	90	100	110	120	130						
6	Product E	220	230	240	250	260	MIN					
7	Product F	130	140	150	160	170	130					
8												
9												
10												
11												

formula : (minimum sales value for Product F)  
=MIN(HLOOKUP(B1:F1,'Q6'!A1:F7,7,0))

## 7. Use HLOOKUP to find the average sales value for Product E across all months.

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	A	B	C	D	E	F	G	H	I	J	K	L
1		Jan	Feb	Mar	Apr	May						
2	Product A	120	130	140	150	160						
3	Product B	150	160	170	180	190						
4	Product C	200	210	220	230	240						
5	Product D	90	100	110	120	130	Average					
6	Product E	220	230	240	250	260	240					
7	Product F	130	140	150	160	170						
8												
9												
10												
11												
12												

Formula: (Average sales value for Product E)  
=AVERAGE(HLOOKUP(B1:F1,'Q7'!A1:F7,6,0))