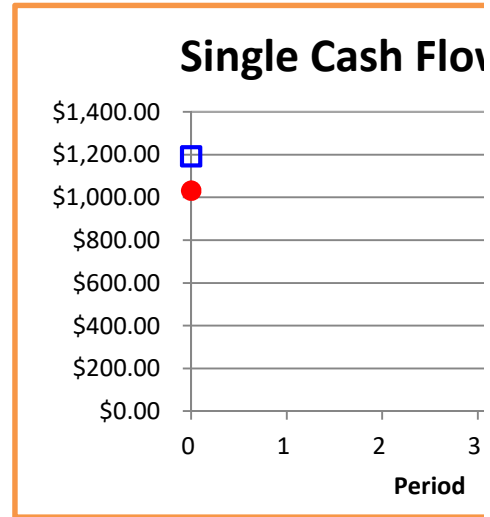


SINGLE CASH FLOW	Present Value									
Inputs			<div style="text-align: center;"> <h3>Single Cash Flow - Present Value</h3> </div>							
Single Cash Flow	\$1,723.48	34								
Discount Rate / Period	6.8%	6								
Number of Periods	6	6								
Present Value using a Time Line										
Period	0	1	2	3	4	5	6			
Cash Flows							\$1,723.48			
Present Value							\$1,161.39			
Present Value using the Formula										
Present Value	\$1,161.39	<div style="border: 1px solid black; background-color: #e0f7fa; padding: 5px; margin-bottom: 5px;"> (1) The single cash flow occurs in the final period Enter =B4 </div> <div style="border: 1px solid black; background-color: #e0f7fa; padding: 5px; margin-bottom: 5px;"> (2) (Cash Flow) / (1+Discount Rate/Period) ^ Period Enter =G16/((1+\$B\$5)^G15) </div> <div style="border: 1px solid black; background-color: #e0f7fa; padding: 5px; margin-bottom: 5px;"> (3) (Cash Flow) / ((1 + Discount Rate/Period) ^ Period) Enter =B4/((1+B5)^B6) </div> <div style="border: 1px solid black; background-color: #e0f7fa; padding: 5px;"> (4) -PV(Discount Rate / Period, Number of Periods, 0, Single Cash Flow) Enter =-PV(B5,B6,0,B4) </div>								
Present Value	\$1,161.39									

SINGLE CASH FLOW Future Value

Inputs

Single Cash Flow	\$1,032.47	20
Discount Rate / Period	2.9%	2
Number of Periods	5	5



(1) The single cash flow occurs on date 0.
Enter =B4

Future Value using a Time Line

Period	0	1	2	3	4
Cash Flows	\$1,032.47				
Future Value	\$1,191.12				

Future Value using the Formula

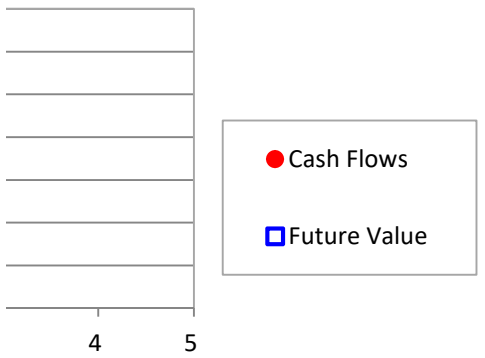
Future Value $\$1,191.12$ (2) $(\text{Cash Flow}) * (1 + \text{Discount Rate/Period})^{((\text{Number of Periods}) - (\text{Current Period}))}$
Enter =B16*(1+\$B\$5)^(B\$6-B15)

Future Value using the FV Function

Future Value $\$1,191.12$ (3) $(\text{Cash Flow}) * (1 + \text{Discount Rate/Period})^{\text{Number of Periods}}$
Enter =B4*(1+B5)^B6

(4) $-\text{FV}(\text{Discount Rate / Period}, \text{Number of Periods}, \text{Present Value}, \text{Cash Flow})$
Enter =-FV(B5,B6,0,B4)

w - Future Value



5

(Number of Periods)

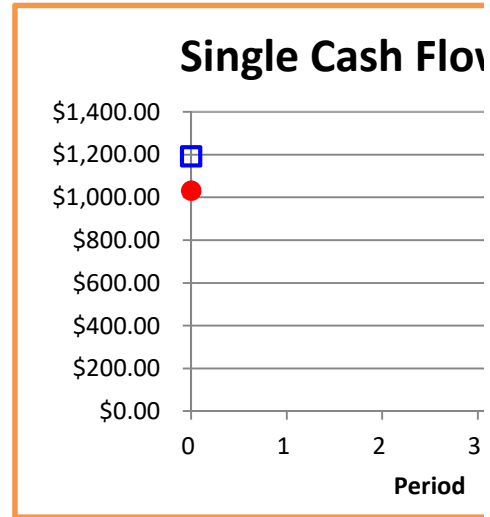
ods, 0, Single Cash Flow)

SINGLE CASH FLOW		Present Value							
Inputs				<div style="border: 2px solid orange; padding: 10px;"> <h3 style="text-align: center;">Single Cash Flow - Present Value</h3> </div>					
Single Cash Flow	\$1,723.48	34							
Discount Rate / Period	6.8%	6							
Number of Periods	6	6							
Present Value using a Time Line									
Period	0	1	2	3	4	5	6		
Cash Flows							\$1,723.48		
Present Value							\$1,161.39		
Present Value using the Formula									
Present Value	\$1,161.39								
Present Value using the PV Function									
Present Value	\$1,161.39								
<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>(1) The single cash flow occurs in the final period Enter =B4</p> </div>									
<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>(2) (Cash Flow) / (1+Discount Rate/Period) ^ Period Enter =G16/((1+\$B\$5)^G15)</p> </div>									
<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>(3) (Cash Flow) / ((1 + Discount Rate/Period) ^ Period) Enter =B4/((1+B5)^B6)</p> </div>									
<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>(4) -PV(Discount Rate / Period, Number of Periods, 0, Single Cash Flow) Enter =-PV(B5,B6,0,B4)</p> </div>									

SINGLE CASH FLOW Future Value

Inputs

Single Cash Flow	\$1,032.47	20
Discount Rate / Period	2.9%	2
Number of Periods	5	5



(1) The single cash flow occurs on date 0.
Enter =B4

Future Value using a Time Line

Period	0	1	2	3	4
Cash Flows	\$1,032.47				
Future Value	\$1,191.12				

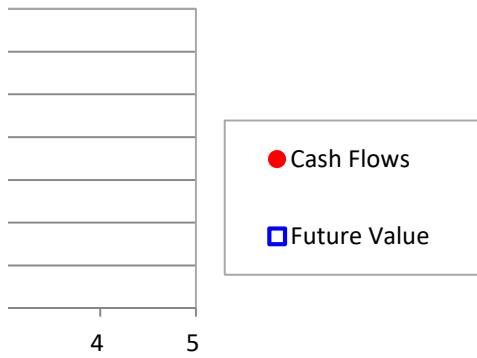
Future Value using the Formula

Future Value \$1,191.12 (2) (Cash Flow) * (1 + Discount Rate/Period)
^((Number of Periods) - (Current Period))
Enter =B16*(1+\$B\$5)^(\$B\$6-B15)

Future Value using the FV Function

Future Value \$1,191.12 (3) (Cash Flow) * (1 + Discount Rate/Period)^
Enter =B4*(1+B5)^B6
(4) -FV(Discount Rate / Period, Number of Periods, 0, Cash Flow)
Enter =-FV(B5,B6,0,B4)

w - Future Value



5

(Number of Periods)

ods, 0, Single Cash Flow)