

KFM Daily Market Report

Shading Key:

%

%

52 week high (green = 1), low (red = 0)) or shaded in-between

2 standard deviation move up (5%)

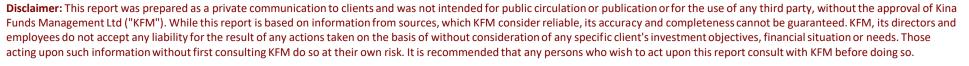
1 standard deviation move up (33%) 1 standard deviation move down (33%)

2 standard deviation move down (5%)

These estimates are based upon the last 256 daily moves of each instrument

16-Oct-23

		Closing prices				the period	VTD	02.000	00.000	2000	2004	0000
Interest Rates		13-Oct-23	wk	Day Change to today's p	Week orice	Month	YTD	Q3 2023	Q2 2023	2022	2021 For interest rates, ra	2020
Central Bank Bills				from closing price		riod					For interest rates, rat	
7 days	C-bill auctions on Thursday;	2.00%		0.00%	0.00%	0.00%	2.00%	-0.23%	2.23%	0.00%	0.00%	0.00%
14 days	reported on Friday	2.26%		0.00%	0.00%	0.00%	2.26%	0.01%		0.00%	0.00%	0.00%
28 days		2.35%		0.00%	0.00%	0.00%	0.39%	-0.03%	0.24%	1.96%	1.29%	1.33%
63 days		2.65%		0.00%	0.00%	0.00%	0.17%			2.48%		2.07%
91 days		2.74%	0.00	0.00%	0.00%	0.00%	0.02%	-0.07%	0.29%	2.72%	1.95%	2.04%
Treasury Bills		4.600/	0.26	0.000/	0.020/	0.050/	4 0000	0.400/	0.400/	2.600/	4.200/	4 440/
182 days	Tbill auctions are regular Wednesdays	1.60%		0.00%	0.03%	-0.05%	-1.09%	•		2.69%	e e e e e e e e e e e e e e e e e e e	4.41%
273 days 364 days	reported Thursdays	2.28% 3.20%		0.00% 0.00%	0.01% 0.05%	0.01% 0.18%	-0.67% -1.07%			2.95% 4.27%	5.95% 7.04%	6.04% 7.20%
Government Inscribed Stock		3.20%		0.00%	0.0576	0.1870	_#.OX X0	0.10%	0.0476	4.27/0	7.0470	7.2070
GIS 2Y 2023-25	GIS auctions usually monthly	3.93%		0.00%	0.00%	-0.32%	-0.27%	-0.32%	0.05%	4.20%	8.50%	8.04%
GIS 3Y 2023-26	reported Thursday/Friday	4.16%		0.00%	0.00%	-0.03%	-4.84%			9.00%		
GIS 4Y 2023-27	. ,	4.49%		0.00%	0.00%	0.14%	-0.67%			5.16%		9.84%
GIS 5Y 2022-27		5.24%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	5.24%	9.70%	9.86%
GIS 6Y 2023-29		4.99%		0.00%	0.00%	0.01%	4.99%	-0.28%	5.27%	0.00%	0.00%	0.00%
GIS 7Y 2023-30		5.27%		0.00%	0.00%	0.00%	-0.29%			5.56%	9.80%	10.02%
GIS 8Y 2023-31		5.42%		0.00%	0.00%	-0.01%	-0.02%			5.44%	0.00%	0.00%
GIS 9Y 2023-32		5.56%		0.00%	0.00%	-0.05%	0.12%			5.44%	9.90%	11.82%
GIS 10Y 2023-33		5.74%		0.00%	0.00%	-0.02%	0.30%			5.44%	9.90%	12.53%
Kina Facility Rate	*.14.	3.50%	1.00	0.00%	0.00%	0.00%	0.25%	0.00%	0.00%	3.25%	3.00%	3.00%
Ten year Government Bond y	ields	4.610/	0.07	0.000	0.4000	0.200/	0.740/	(//////////////////////////////////////	//////////////////////////////////////	2.070/	4 540/	0.010/
United States		4.61% 4.39%		-0.08% -0.04%	-0.19% -0.19%	0.28% 0.03%	0.74% 0.71%			3.87% 3.67%	1.51% 0.97%	0.91% 0.20%
United Kingdom Australia		4.39% 4.46%		-0.04% 0.09%	-0.19%	0.03%	0.71%			3.67% 4.05%	0.97% 1.67%	0.20%
New Zealand		4.46% 5.44%		0.09%	-0.08% -0.08%	0.50%	0.41%		0.73%	4.05% 4.47%	2.39%	0.97%
France		3.37%		-0.04%	-0.08% -0.11%	0.15%	0.25%			3.12%	0.20%	-0.34%
Japan		0.76%		0.00%	-0.04%	0.05%	0.34%			0.42%	0.07%	0.02%
Australia	RBA Cash Rate	4.10%		0.00%	0.00%	0.00%	1.00%			3.10%	0.10%	0.10%
PNG CPI Index	Latest 12 mth % change	3.40%		0.0073	0.007.5		(((((((((((((((((((((((((((((((((((((((	0.00%		5.70%	4.60%	3.10%
Currencies	<b>.</b>			Percentage change	es							
PGK/USD		0.2710	0.00	0.00%	-0.37%	-1.81%	-4.58%	-2.50%	-1.41%	-0.35%	0.00%	-2.90%
PGK/AUD		0.4289	0.56	1.59%	0.21%	0.02%	2.36%	-0.09%	-0.09%	6.67%	6.19%	-11.68%
PGK/GBP		0.2222	0.22	1.00%	-0.58%	0.54%	-5.73%	0.45%	-3.10%	11.60%	1.00%	-6.57%
PGK/NZD		0.4577	0.03	1.46%	0.18%	-1.63%	1.96%	-1.28%	1.84%	7.55%	5.78%	-9.52%
PGK/JPY		40.560	0.67	0.40%	0.15%	-0.10%	7.73%	0.52%	7.31%	14.75%	11.64%	-7.87%
USD/AUD		0.6319	0.06	-1.56%	-0.58%	-1.83%	-6.77%	-2.40%	-1.33%	-6.60%	-5.83%	9.94%
USD/JPY		149.680	0.97	0.42%	0.54%	1.75%	12.93%	1		15.13%	11.63%	-5.12%
USD/EUR		1.0546	0.52	-0.80%	0.10%	-1.85%	-0.98%			-5.83%	-8.00%	9.68%
USD/GBP		1.2199	0.52	-0.99%	0.24%	-2.33%	1.24%	-2.97%	1.77%	-10.71%	-0.98%	3.90%
Equity Indices				D	_							
Papua New Guinea		6 217 10	1.00	Percentage change		0.00%	0.63%	0.449/	0.01%	7 100/	2.00%	2 420/
KSi Index KSi Home Index		6,317.18 15,830.59	1.00 0.69	-0.01% 0.00%	0.07% 0.00%	0.09% 1.41%	0.63% 4.69%			7.10% 5.07%	-3.09% 8.11%	-3.42% 1.50%
Australia		15,650.59	0.09	0.00%	0.00%	1.41%	4.09%	1.79%	-2.00%	5.07%	0.1170	1.50%
All Ordinaries		7,243.54	0.41	-0.60%	1.41%	-3.19%	0.30%	-2.05%	0.38%	-7.17%	13.55%	0.71%
S&P/ASX 100		5,930.42	0.44	-0.49%	1.37%	-3.02%	0.42%			-3.95%	13.28%	-2.06%
S&P/ASX 20		3,981.90	0.41	-0.19%	1.28%	-2.71%	-0.05%			-1.83%	12.14%	-1.49%
S&P/ASX 50		6,919.50	0.47	-0.38%	1.28%	-2.78%	0.58%			-3.01%	12.37%	-4.86%
S&P/ASX 50 Accumulation		89,530.20	0.74	-0.38%	1.28%	-2.77%	4.39%	-0.56%	0.66%	1.89%	17.00%	-1.94%
S&P/ASX Midcap 50		8,832.20	0.30	-1.22%	1.92%	-4.56%	-0.61%	-2.92%	4.23%	-9.00%	18.46%	14.48%
S&P/ASX Small Ordinaries		2,686.60	0.14	-1.22%	1.81%	-4.43%	-3.99%	-2.91%	-1.02%	-20.72%	14.24%	6.62%
S&P/ASX 200		7,051.03	0.42	-0.56%	1.39%	-3.13%	0.18%	-2.15%	0.36%	-5.45%	13.02%	-1.45%
S&P/ASX 200 Accumulation		88,386.84	0.68	-0.56%	1.40%	-3.09%	3.75%	-0.77%	1.01%	-1.08%	17.23%	1.40%
S&P/ASX 300		6,998.63	0.40	-0.57%	1.41%	-3.17%	-0.06%			-6.05%		-1.10%
S&P/ASX 200 Energy		11,339.40	0.67	-0.23%	3.78%	-5.18%	2.74%			39.71%		-29.93%
S&P/ASX 200 Materials		17,404.10	0.52	-0.20%	2.53%	-2.96%	-0.78%			4.79%	6.84%	13.37%
S&P/ASX 200 Industrials		6,450.00	0.49	-0.92%	0.66%	-3.89%	3.45%			-6.18%	11.24%	-14.10%
S&P/ASX 200 Consumer Disc	•	3,047.60	0.70	-1.00%	1.50%	-3.02%	11.62%			-22.65%	21.31%	8.63%
S&P/ASX 200 Consumer Stap	pies	12,297.70	0.13	-0.59%	0.16%	-1.49%	-1.95%			-7.39%	7.13%	3.57%
S&P/ASX 200 Healthcare		36,310.80	0.02	0.45%	-2.50% 1 15%	-7.26% -1.63%	-12.26% -0.16%			-8.41%	7.98% 20.20%	2.97%
S&P/ASX 200 Financials	echnology	6,348.20	0.47	-0.63%	1.15%	-1.62% -4.88%	-0.16%			-2.72%	20.20%	-9.00%
S&P/ASX 200 Information Te S&P/ASX 200 Telecommunic	· ·	1,744.90 1,509.80	0.66	-1.93% -1.00%	2.87% 2.46%	-4.88% <i>///</i> -0.76%	24.15% 6.99%			-34.25% -13.43%	-2.79% 28.46%	56.35% 0.91%
S&P/ASX 200 Telecommunic	Sacion Scrvices	8,713.40	0.84	0.35%	5.09%	-0.76% 2.08%	4.83%			-13.43% 24.19%	4.56%	-21.52%
S&P/ASX 200 Otilities S&P/ASX 200 A-REIT		1,313.20	0.30	-1.89%	1.11%	-5.10%	-1.51%			-24.19%	21.61%	-21.32 <i>%</i> -7.99%
S&P/ASX 200 A-REIT	REIT	7,080.40	0.47	-0.63%	1.15%	-1.62%	-0.16%			-2.72%	20.20%	-8.99%
North American		.,223.13			_3,0	,0					J. 40/0	2.23,0
DJIA		33,670.29	0.63	0.12%	0.79%	-2.74%	1.58%	-2.62%	3.41%	-8.78%	18.73%	7.25%
S&P 500		4,327.78	0.72	-0.50%	0.45%	-2.75%	12.72%			-19.44%	26.89%	16.26%
NASDAQ		13,407.23	0.77	-1.23%	-0.18%	-2.20%	28.10%			-33.10%	21.39%	43.64%
Toronto S&P/TSX		19,462.86	0.40	-0.19%	1.13%	-5.62%	0.40%	1		-8.66%	21.74%	2.17%
Europe												
=		7,599.60	0.61	-0.59%	1.40%	-1.45%	1.98%	1.02%	-1.31%	0.91%	14.30%	-14.34%
FTSE		15,186.66	0.66	-1.55%	-0.28%	-4.45%	9.07%	-4.71%	3.32%	-12.35%	15.79%	3.55%
FTSE DAX			0.63	-1.42%	-0.80%	-5.09%	8.18%	-3.58%	1.06%	-9.50%	28.85%	-7.14%
		7,003.53	0.03	-1.42/0					•			
DAX CAC 40 <b>Asia</b>												
DAX CAC 40 <b>Asia</b> Nikkei		32,315.99	0.82	-0.55%	4.26%	-3.63%	23.84%	-4.01%		-9.37%	4.91%	
DAX CAC 40 <b>Asia</b> Nikkei Hang Seng		32,315.99 17,813.45	0.82	-0.55% -2.33%	<b>4.26%</b> 1.87%	-3.63% -2.03%	<b>23.84%</b> -9.95%	-4.01% -5.85%	-7.27%	-9.37% -15.46%	4.91% -14.08%	-3.40%
DAX CAC 40 <b>Asia</b> Nikkei		32,315.99	0.82	-0.55%	4.26%	-3.63%	23.84%	-4.01% -5.85% -2.86%	-7.27% -2.16%	-9.37%	4.91% -14.08%	16.01% -3.40% 13.87% 15.75%





KFM Daily Market Report

Shading Key:

%

52

52 week high (green = 1), low (red = 0)) or shaded in-between

% 2 standard deviation move up (5%) 1 standard deviation move up (33%) 1 standard deviation move down (33%) %

Movement for the period

2 standard deviation move down (5%)

daily moves of each instrument

16-Oct-23 These estimates are based upon the last 256

	13-Oct-23	52	Movement for			VTD	O2 2022	02 2022	2022	2024	2020
	13-Oct-23	wk	Day	Week	Month	YTD	Q3 2023	Q2 2023	2022	2021	2020
Indices	2 2 2 2 4 4		0.760/	0.500/	0.040/	0.070/	2 222/	6.000/	10.160/	20.1.10/	4.4.000
MSCI World USD Index	2,862.14	0.68	-0.76%	0.59%	-3.34%	9.97%	-3.83%	6.28%	-19.46%	20.14%	14.06%
MSCI World Net TR USD Index	8,903.50	0.71	-0.76%	0.61%	-3.22%	11.49%	-3.46%	6.83%	-18.14%	21.82%	15.90%
MSCI ACMI Net TRIUSD Index	16,004.95	0.88	-0.03%	1.49%	-0.97%	20.46%	-0.43%	7.63%	-12.52%	29.58%	5.73%
MSCI ACWI Net TR USD Index	350.58	0.70	-0.80%	0.70%	-3.23%	10.39%	-3.40%	6.18%	-18.36%	18.54%	16.25%
MSCI ACWI Minimum Volatility USD	2,105.20	0.59	-0.05%	0.94%	-2.61%	-0.57%	-3.25%	1.57%	-12.04%	11.95%	0.56%
MSCI EM Asia Net TR USD Index	575.08	0.64	-1.30%	1.51%	-3.03%	1.49%	-2.90%	-0.77%	-21.11%	-5.08%	28.38%
MSCI EM Net TR USD Index	494.30	0.59	-1.18%	1.51%	-3.32%	1.69%	-2.93%	0.90%	-20.09%	-2.54%	18.31%
VIX Volatility S&P500	19.32	0.38	15.76%	10.72%	40.10%	-10.84%	28.92%	-27.33%	25.84%	-24.31%	65.09%
Commodities	07.60				2.200/	0.260/	20 520/	C CE0/	C 440/	FF 000/	20 5 40
Light Crude WTI Futures US\$/bbl	87.69		5.77%	5.92%	-3.39%	9.26%	28.52%	-6.65%	6.11%	55.89%	-20.54%
Brent Crude US\$/bbl	90.89	0.71	5.69%	7.46%	-3.24%	5.80%	27.25%	-6.11%	9.89%	50.93%	-21.52%
Gold US\$/oz	1,941.50	0.73	3.11%	5.22%	-0.24%	6.31%	-3.28%	-2.86%	-0.31%	-3.34%	24.42%
Silver US\$/oz	22.90	0.56	4.26%	5.40%	-2.10%	-4.76%	-2.48%	-4.70%	2.67%	-11.35%	47.38%
Copper US\$/lb	3.57	0.22	-0.56%	-1.56%	-6.05%	-6.29%	-0.59%	-8.18%	-14.77%	27.05%	25.81%
Iron Ore US\$/mt	114.78	0.81	1.24%	-0.55%	-1.75%	5.66%	5.96%	-10.21%	-3.57%	-27.05%	81.97%
Malaysian Palm Oil* RM/tn	3,680	0.40	1.71%	3.31%	-0.27%	-11.77%	-1.65%	-7.57%	-19.15%	32.59%	27.95%
LNG *Jap/Korea US\$/mmBtu	14.48	0.19	0.80%	2.84%	8.60%	-50.96%	19.53%	-9.43%	-3.21%	113.25%	169.81%
ICCO Cocoa US\$/mt	3,499	0.78	0.26%	1.33%	-6.87%	34,58%	3.01%	13.13%	3.17%	-3.19%	2.48%
ICO Coffee US cents/lb	155	0.18	3.75%	6.06%	-2.12%	-7.41%	-9.22%	-5.57%	-26.01%	76.30%	-1.12%
Equities			Percentage change	es							
	rbitrage PNGX										
Bank South Pacific	12.24 13.46	1.00	0.00%	1.58%	1.43%	8.46%	4.36%	0.39%	1.31%	2.08%	1.87%
Credit Corporation	2.05	1.00	0.00%	0.00%	2.50%	10.81%	2.50%	0.00%	10.12%	-1.18%	6.25%
City Pharmacy	0.79	0.00	0.00%	0.00%	0.00%	-12.22%	-1.25%	-15.79%	-5.26%	90.00%	-38.27%
Kina Asset Management Limited	0.90		0.00%	0.00%	-5.26%	-5.26%	5.88%	6.25%	-4.04%	10.00%	-5.26%
Kina Securities Limited	1.80 2.41	0.26	0.00%	0.42%	-0.41%	-12.36%	0.42%	-4.00%	-6.78%	-1.67%	-10.98%
Steamship Trading Company	28.49 35.46		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Santos Limited	17.81 19.22	1.00	0.00%	0.00%	0.05%		0.52%	0.05%			
Australia											
A2 Milk Company Limited	4.27	0.04	-0.70%	3.14%	-4.69%	-37.94%	-13.29%	-15.83%	26.01%	-52.31%	-19.93%
ANZ Banking Group Limited	25.71	0.92	-0.58%	1.54%	0.04%	8.07%	8.22%	3.40%	-13.52%	21.19%	-7.84%
BSP Financial Group	5.25	0.53	-1.87%	0.77%	-2.05%	7.14%	5.97%	-0.41%	14.75%	-17.88%	
BHP Billiton Limited	45.01	0.61	0.38%	2.37%	-1.47%	-1.36%	-1.64%	-4.74%	9.95%	-2.19%	9.02%
Boral Limited	4.59	0.79	-0.22%	1.77%	-0.43%	58.82%	10.42%	14.49%	-52.62%	23.23%	10.49%
Bouganville Copper Limited	0.30	0.29	0.00%	0.00%	-9.09%	-14.29%	-23.75%	21.21%	14.75%	5.17%	-10.77%
Bank of Queensland	5.46	0.05	-1.80%	-4.38%	-7.61%	-20.87%	4.55%	-15.41%	-14.71%	4.52%	6.76%
Brambles Limited	14.25	0.77	-0.63%	0.07%	-3.26%	18.06%	-0.62%	7.30%	13.55%	0.28%	-9.56%
Commonwealth Bank of Australia	100.97	0.37	-0.62%	0.93%	-2.12%	-1.59%	-0.30%	1.98%	1.58%	23.01%	2.77%
CSL	241.39	0.04	1.32%	-3.52%	-9.81%	-16.11%	-9.58%	-3.79%	-1.02%	2.66%	2.69%
Fortescue Mining	21.47	0.75	0.66%	1.95%	1.18%	4.68%	-5.68%	-1.38%	6.77%	-18.01%	119.18%
Horizon Oil Ltd	0.18	1.00	0.00%	0.00%	2.86%	38.46%	28.57%	-17.65%	41.30%	48.39%	-48.33%
Kina Securities Ltd	0.77	0.34	0.00%	0.00%	-3.14%	-0.65%	6.08%	-0.67%	-9.36%	-5.00%	-39.60%
Kina Petroleum Ltd	0.06		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Macquarie Group Ltd	169.96	0.33	-0.43%	2.42%	-1.88%	1.80%	-5.57%	1.12%	-18.71%	48.32%	0.46%
Mirvac Group	2.09	0.33	-2.34%	1.46%	-7.93%	-1.88%	-5.75%	8.65%	-26.80%	10.23%	-16.98%
National Australia Bank	29.32	0.55	-0.81%	1.31%	-1.21%	-2.46%	10.24%	-4.87%	4.23%	27.61%	-8.24%
Newcrest Mining Limited	26.00	0.70	0.78%	7.13%	-0.34%	25.97%	-7.19%	-1.60%	-15.69%	-5.04%	-14.78%
Origin Energy Ltd	9.27	1.00	0.11%	6.31%	7.29%	20.08%	4.40%	1.45%	47.33%	10.08%	-43.67%
Pilbara Minerals Ltd	4.15	0.35	-1.43%	6.14%	-7.57%	10.67%	-12.07%	24.11%	17.19%	267.82%	210.71%
Qbe Insurance Group Ltd	15.72	0.94	-0.38%	1.03%	2.41%	17.05%	0.26%	7.40%	18.33%	33.06%	-33.77%
Rio Tinto Limited	114.74	0.66	-0.10%	1.37%	-3.51%	-1.43%	-0.99%	-4.54%	16.28%	-12.05%	13.38%
ResMed Inc	21.54	0.01	-0.10% -2.84%	-5.82%	-3.51% -6.27%	-30.43%	-0.99% -28.07%	1.30%	-13.47%	-12.05% 31.40%	24.34%
Santos Limited	7.64	0.69	0.13%	3.95%	-6.27% -3.41%	7.00%	5.05%	8.99%	-13.47% 13.15%	0.64%	-23.35%
	12.22	0.89	0.13%	0.00%	-3.41% 0.16%	16.38%	6.26%	26.79%	5.00%	1.52%	-23.35% -21.20%
Steamship Trading Company Suncorp Metway Limited	13.94	0.81	0.00%	2.73%	-0.16%	15.78%	3.56%	26.79% 11.40%	5.00% 8.76%	1.52%	-21.20% -24.85%
Transurban Group	12.45		-1.43%	-0.48%	-6.46%	-4.08%	-10.95%		-6.08%	1.17%	-8.38%
·	3.88	0.04						0.28%			
Telstra Corporation Limited.		0.16	-0.26%	2.11%	-0.77%	-2.76%	-10.47%	1.90%	-4.55%	40.27%	-15.82%
Treasury Wine Estates Limited	11.44	0.20	-1.89%	-2.64%	-3.13%	-15.94%	9.80%	-14.08%	9.94%	31.70%	-42.12%
Westpac Banking Corporation	21.48	0.32	-0.69%	0.19%	-1.33%	-8.01%	-0.89%	-1.48%	9.37%	10.22%	-20.06%
Worley Limited	17.41	0.94	0.52%	3.88%	0.99%	16.07%	10.26%	9.58%	41.11%	-7.48%	-24.95%
Woolworths Limited	37.54	0.67	-0.64%	-0.27%	-1.00%	11.86%	-6.07%	4.83%	-11.71%	-3.31%	8.71%
International	1100 Å		<u>.</u>		<b>.</b>			<u>.</u>	<b>.</b>		
iShare MSCI All Asia ex Japan	USD \$ 63.77	0.48	-0.45%	0.02%	-2.64%	-1.60%	-4.42%	-2.09%	-21.64%	-7.74%	22.19%
Blackrock Int Equity Fund*	AUD \$ 21.61	0.85	0.68%	2.57%	-1.56%	14.50%	-3.53%	8.30%	-15.90%	24.76%	-0.61%
Blackrock Australian Equity Fund*	AUD \$ 1.73	0.46	0.05%	2.39%	-1.73%	-0.14%	-2.75%	1.21%	-11.03%	11.82%	-2.28%
Vanguard International Share*	AUD \$ 2.99	0.80	-0.03%	1.48%	-2.01%	15.26%	-2.52%	6.89%	-16.11%	23.54%	-0.10%
\( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	USD \$ 51.54	0.58	-0.73%	-0.02%	-4.57%	2.79%	-4.67%	1.76%	-18.18%	5.00%	8.58%
Vanguard FTSE World exUS		0.62	-0.91%	-0.16%	-4.32%	3.88%	-6.11%	1.23%	-18.76%	13.28%	2.80%
Vanguard FTSE World exUS  Vanguard FTSE Europe	USD \$ 57.59						<b>5 6 4 6 7</b>	0.400/	10 220/	42 420/	2.83%
-	USD \$ 57.59 USD \$ 49.35	0.61	-0.94%	-0.20%	-4.04%	3.89%	-5.64%	0.48%	-18.33%	13.42%	2.03/0
Vanguard FTSE Europe	•			-0.20% 0.43%	-4.04% -2.67%	3.89% -1.13%	-5.64% -6.95%	-3.72%	-18.33% -25.89%	13.42% -12.17%	
Vanguard FTSE Europe iShares Core MSCI Europe	USD \$ 49.35	0.61	-0.94%								32.08%
Vanguard FTSE Europe iShares Core MSCI Europe iShares Asia 50	USD \$ 49.35 USD \$ 56.10	0.61 0.49	-0.94% -0.53%	0.43%	-2.67%	-1.13%	-6.95%	-3.72%	-25.89%	-12.17%	32.08% 14.04%
Vanguard FTSE Europe iShares Core MSCI Europe iShares Asia 50 iShares MSCI Japan	USD \$ 49.35 USD \$ 56.10 USD \$ 59.58	0.61 0.49 0.73	-0.94% -0.53% -1.24%	0.43% 0.34%	-2.67% -5.41%	-1.13% 9.44%	-6.95% -2.60%	-3.72% 5.47%	-25.89% -18.70%	-12.17% -0.89%	32.08% 14.04% -11.46%
Vanguard FTSE Europe iShares Core MSCI Europe iShares Asia 50 iShares MSCI Japan Acadian Global Managed Volatitlity Equity Fund	USD \$ 49.35 USD \$ 56.10 USD \$ 59.58 1.59	0.61 0.49 0.73 0.46	-0.94% -0.53% -1.24% 0.72%	0.43% 0.34% 1.60%	-2.67% -5.41% -0.80%	-1.13% 9.44% 3.04%	-6.95% -2.60% -6.27%	-3.72% 5.47% 4.62%	-25.89% -18.70% -9.88%	-12.17% -0.89% 10.44%	32.08% 14.04% -11.46% -22.67% -15.41%

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