

Welcome to Getting on Track: Understanding Financial Performance. In this course you will learn how to analyze the health of your business using financial ratios.

Click the next arrow to start at the beginning of the course or click the Menu link to select a lesson from the Main Menu. We recommend that you view the lessons in order the first time through the course.





Financial efficiency refers to whether or not the physical resources of your business are being utilized and combined in a profitable manner.

The Farm Financial Standards Council recommends five ratios for measuring financial efficiency; Asset Turnover, Operating Expense, Interest Expense, Depreciation Expense, and Net Farm Income from Operations.

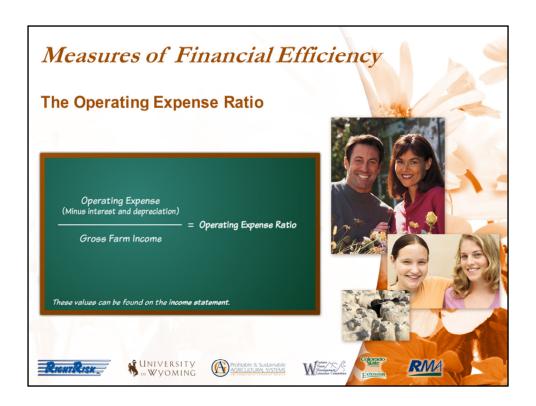
In this lesson, you will learn how to calculate and evaluate the Asset Turnover, Operating Expense, and Interest Expense ratios.



The Asset Turnover ratio is calculated by dividing Gross Farm Income by Average Farm Assets.

These values can be found on the income statement and beginning and ending balance sheets for the reporting period.

The results of this calculation will help you assess how efficiently the business is using its assets to generate revenue.



The Operating Expense ratio is calculated by dividing Operating Expense (excluding interest and depreciation) by Gross Farm Income.

These values can be found on the income statement.

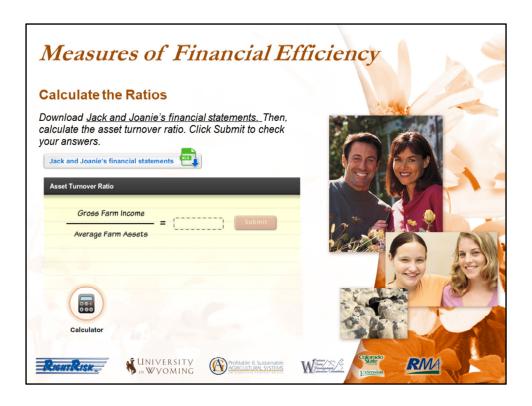
The Operating Expense ratio measures how efficiently the business is using operating inputs to generate income.



The Interest Expense ratio is calculated by dividing Interest Expense by Gross Farm Income.

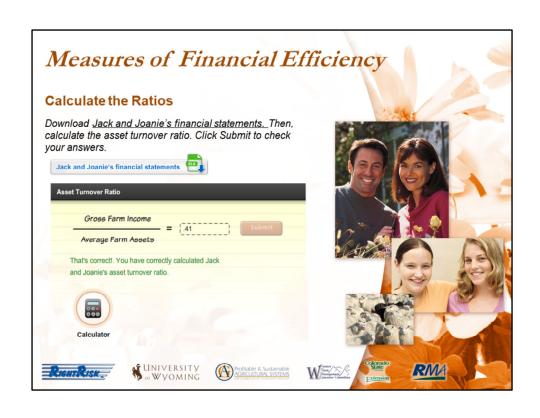
These values can be found on the income statement.

The Interest Expense ratio measures the amount of gross farm income used to pay for interest on borrowed capital.



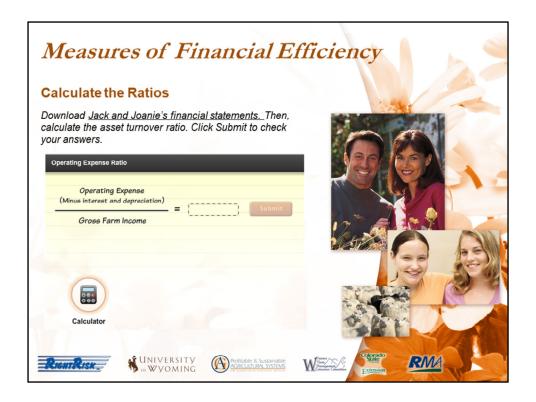
Now, try calculating the ratios. Click on the link to download Jack and Joanie's financial statements. Then, calculate Jack and Joanie's asset turnover ratio. Click the calculator icon to access a calculator tool.

Click Submit to check your answer.









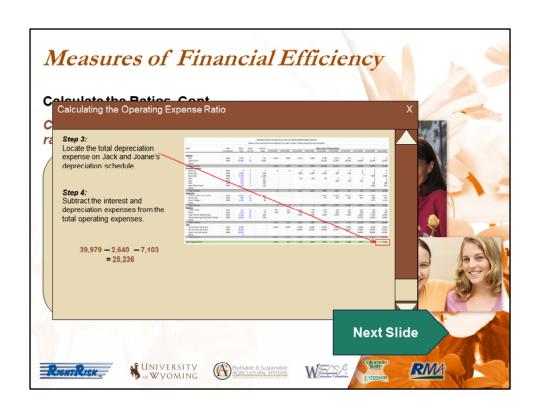
Now, try calculating Jack and Joanie's operating expense ratio, using information from the income statement and book value balance sheet for example year 10.

Click the calculator icon to access a calculator tool.

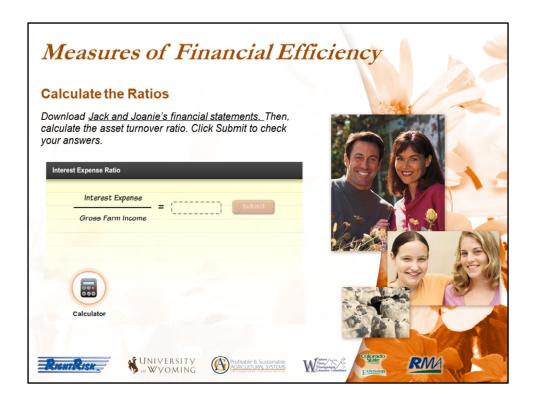
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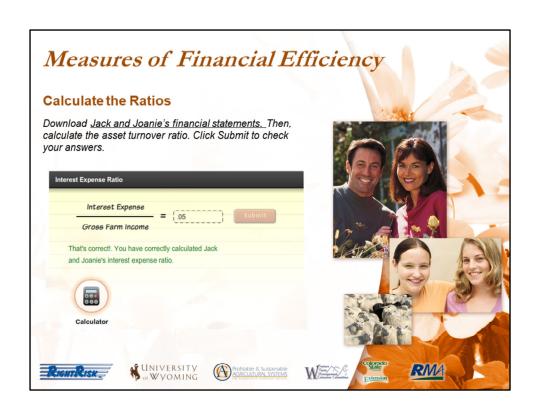




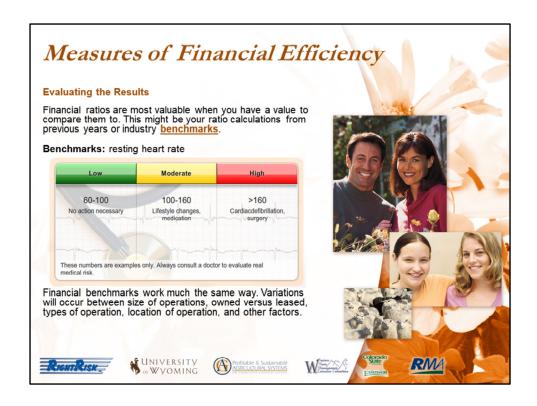
Now, try calculating Jack and Joanie's interest expense ratio, using information from the income statement and book value balance sheet for example year 10.

Click the calculator icon to access a calculator tool.

Click Submit to check your answer.





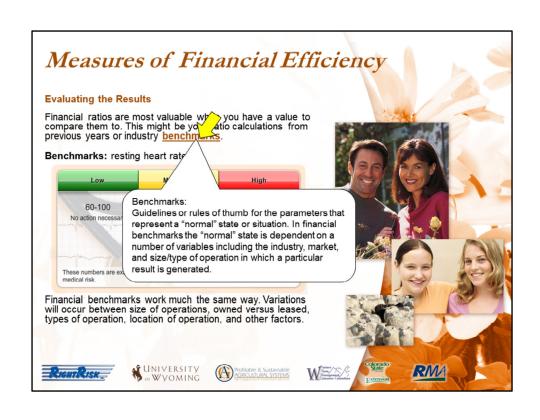


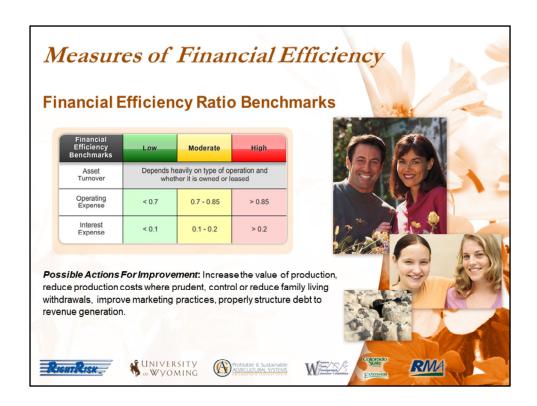
Financial ratios are most valuable when you have something to compare them to. This might be ratio calculations from previous years or industry benchmarks.

Benchmarks are guidelines or general rules of thumb related to a specific industry. For instance, a normal heart rate is between 60 and 100 beats per minute.

However, heart rate can vary with age, athletic conditioning, exposure to stress and other variables. Thus, there is no single heart rate that can be considered normal. The benchmark range simply allows a doctor to interpret the measurement and to decide if further action is required.

Financial benchmarks work much the same way.



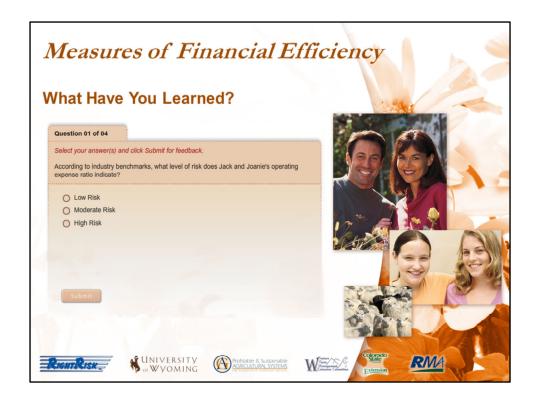


Some benchmarks for profitability ratio values are shown on screen.

The benchmarks are meant to be only a guideline for comparison purposes.

The correlated benchmarks are presented in terms of green, yellow, and red lights. A green light represents a financial strength with low risk. A yellow light corresponds to moderate risk, and a red light means weakness and high risk. A green light doesn't guarantee success, nor does a red light imply failure. A weakness in one area may be overcome by strengths in other areas.

Each farm operator should establish specific benchmarks for their specific farm situation.



Check what you have learned about measures of financial efficiency by answering the questions on screen. Click Submit to check your answers.

