Worth It Math

Track what you own and what you owe.

HIGH SCHOOL · MA.912.FL.2.1

MA.912.FL.2.1 "Given assets and liabilities, calculate net worth using spreadsheets and other technology."

NAME ______________________ DATE ____________

FIND NET WORTH

Net worth is the total value of your assets minus the total amount of your liabilities. In a spreadsheet, list assets in one range and liabilities in another range, then use a formula that subtracts the liability total from the asset total.

WORKED EXAMPLE

Kai has assets worth $840 and $1,160. Kai has a liability of $275. Find Kai's net worth.

1. Add the assets: $840 + $1,160 = $2,000.
2. Find the total liabilities: $275.
3. Subtract liabilities from assets: $2,000 - $275 = $1,725.

Answer: $1,725

PRACTICE 6 problems

1 You have total assets of $1,250 and total liabilities of $430. What is your net worth?

ANSWER ____________

2 Your assets are $300 in savings and a bike worth $650. You owe $125. What is your net worth?

ANSWER ____________

3 Your assets are worth $2,400 and $780. Your liabilities are $510 and $90. What is your net worth?

ANSWER ____________

4 A student has total assets of $5,000 and total liabilities of $1,875. Find the student's net worth.

ANSWER ____________

5 Your assets are worth $640, but your liabilities total $960. What is your net worth?

ANSWER ____________

6 In a spreadsheet, asset values are in cells B2 and B3: $720 and $180. Liability values are in cells C2 and C3: $340 and $70. Write a formula to find net worth, then calculate it.

ANSWER ____________

APPLY IT Show your work

1 Jordan is saving for a used car. Jordan has $1,600 in savings, a bike worth $350, and a $75 refund due. Jordan owes $220 on a credit card and $480 to an uncle. What is Jordan's net worth?

WORK SPACE

ANSWER ____________________

2 Mia sells custom T-shirts online. Her business has $540 in cash, $360 in inventory, and equipment worth $900. She owes $125 for supplies and $275 for online ads. What is the business's net worth?

WORK SPACE

ANSWER ____________________

CHALLENGE One step up

CHALLENGE

A student's spreadsheet begins with total assets of $3,200 and total liabilities of $1,450. During the month, one asset loses $260 in value. The student also uses $190 in cash to pay down a liability. What is the new net worth? Explain why the debt payment changes both totals.

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	You have total assets of $1,250 and total liabilities of $430. What is your net worth?	**$820**
2	Your assets are $300 in savings and a bike worth $650. You owe $125. What is your net worth?	**$825**
3	Your assets are worth $2,400 and $780. Your liabilities are $510 and $90. What is your net worth?	**$2,580**
4	A student has total assets of $5,000 and total liabilities of $1,875. Find the student's net worth.	**$3,125**
5	Your assets are worth $640, but your liabilities total $960. What is your net worth?	**-$320**
6	In a spreadsheet, asset values are in cells B2 and B3: $720 and $180. Liability values are in cells C2 and C3: $340 and $70. Write a formula to find net worth, then calculate it.	**=SUM(B2:B3)-SUM(C2:C3), which equals $490**

PART 2 · APPLY IT

1. **$1,325** Add the assets: $1,600 + $350 + $75 = $2,025. Add the liabilities, $220 + $480 = $700, then subtract: $2,025 - $700 = $1,325.
2. **$1,400** Total assets are $540 + $360 + $900 = $1,800. Total liabilities are $125 + $275 = $400, so net worth is $1,800 - $400 = $1,400.

CHALLENGE

$1,490. New assets are $3,200 - $260 - $190 = $2,750, and new liabilities are $1,450 - $190 = $1,260. The debt payment lowers assets and liabilities by the same amount, so it does not change net worth.

Accept answers with or without dollar signs. For the spreadsheet item, accept =SUM(B2:B3)-SUM(C2:C3) or any equivalent formula that returns $490; accept -$320 or $-320 for the negative net worth.