Growth and Fixed Costs: Solution

The financial statements of two Wonderland banks and all their customers were set aside for tax irregularities... something here doesn't add up.

Things to notice about the financial statements:

- There is enough information to match the company profiles to the financial statements, and so put the financial statements in order.
- When the statements are put in order, the tax amounts (in the statement of operations) can be converted to numbers to read "Tax line red herring."
- some lines in the Statement of Assets & Liabilities don't add up right: they're off by a number between 1 and 26.

Given the above, the steps to solving this puzzle are:

1. Match statements to company descriptions

This gives an ordering of the financial statements.

The keys to matching are:

- Size of a company: there are a few initial revenue numbers: 100,000; 50,000; 30,000; 10,000.
- Speed a company gets paid or pays its bills: "Receivables days" and "payables days" are well-defined concepts.
- Amount of inventory a company holds:
 - Restaurants, for instance, hold inventory only for a few days because most of it is perishable.
 - Note that the puzzle should be solvable without knowing those things in advance, since "payables days", "receivables days", and "inventory days" are referred to in a company description, and these are google-able.
- interest paid on loans: higher by customers of First Wonderland, lower by customers of the Standard Bank.
- "Intangible assets" or brand worth, held by companies with consumer brands
- "Goodwill" some companies have accumulated by acquiring companies for more than the acquisitions' book values
- And a few special items, such as:
 - legal fees awarded from one company to another
 - dividends paid by companies owned by the Red Queen or White King

2. Find errors in the financial statements; convert to letters

These are lines that don't "add up". Each statement has a line off by a value < 26; these can be converted to letters (1 = A, 2 = B, etc) to spell the clue phrase FBNEWSTOCKOFFERING or facebook new stock offering. Facebook had a secondary offering that in December of 2016 that was frequently in the news in the last few months of 2013, and teh answer is "secondary".

Growth and Fixed Costs: Solution

The financial statements of two Wonderland banks and all their customers were set aside for tax irregularities... something here doesn't add up.

1. Standard Bank of Wonderland

A commercial bank offering loans with competitive interest rates to Wonderland businesses; it has also issued a consumer credit card. Walrus is a major shareholder.

lower interest payments fee revenues

2. First Wonderland Bank

A bank focused on small Wonderland merchants and loans for Wonderland individuals. First Wonderland has many branches in convenient areas of Wonderland and excellent customer service.

higher occupancy costs higher salary payments

3. Rust Works Steel & Metal Products

Rust Works Steel & Metal Products is an industrial conglomerate that mines raw materials and makes steel and other industrial goods in a highly-automated operation. It sells to Travels with Turtles as well as to Solid Manufacturing, Inc. The mines it owns are expected to be in operation for close to a century; other fixed assets are also long-lived, but are occasionally sold.

low salary costs long depreciation years (fixed assets / depr.)

Rust Works Steel & Metal Products is slow to pay its bills and slow to collect payment from its customers. Simiarly, its customers have high "days payable" and "days receivable" amounts.

high payables & receivables days

4. Travels with Turtles

A popular, well-known travel company that owns its own infrastructure and cars, each of which require replacement every couple of decades. Travels with Turtles is financed with a loan from Standard Bank of Wonderland; some years it loses money.

Good brand recognition 20-yr depreciation Deferred tax asset.

5. Wonderland Dyes and Potions

This innovative company is the premier producer of dyes and flavors in Wonderland: Its ingredients are key for manufacture of blacking and whiting as well as toothpaste and any size-changing food or drink. Wonderland D&P owns top-of-the-line chemical manufacturing equipment. It is known to demand quick payment from its customers, and this reputation helps its customers keep their accounts recievable balances low as well.

high fixed assets low accounts receivable

6. Solid Manufacturing, Inc.

This contract manufacturer for Dovetail Design also makes tooling for White Rabbit Timepieces and other customers. It is heavily invested in precision manufacturing equipment and its margins are razor-thin. high depreciation, high fixed assets.

7. Dovetail Design & Manufacturing

Leading provider of computational plug-ins for mechanical "computers" which are increasingly popular in Wonderland. Dovetail offers modules that perform simple differentiation and integration that can be connected into simple parlour games; it continuously develops new products.

R&D expenditure

Dovetail contracts with Solid Manufacturing, Inc. for the high-precision manufacturing of its widgets. Its name is known throughout Wonderland, and its products are sold in a variety of Wonderland shops and resellers. Carpenter owns a majority stake and refuses to bank with Standard Wonderland.

intangible brand asset First Wonderland: (higher interest rate)

8. Emblaze

The Cheshire Cat's line of toothpaste. The majority of ingredients are purchased from Wonderland Dyes and Potions; its materials are cheap but its advertising is expensive, as is its manufacturing equipment which must be replaced about every ten years. Like most customers of Wonderland Dyes and Potions, Emblaze is paid promptly and pays its bills promptly as well.

good gross margin high advertising cost high fixed assets; 10-yr depreciation low receivables days; low payables days

9. The White and The Black

One of many manufacturers of blacking and whiting, this small company is dependent on the only supplier for its key ingredients, Wonderland Dyes and Potions. Owned by Gryphon, who prides himself on managing cash flow and keeping inventory days low.

weak competitive position: low margin low payables, rec'bles & inventory

10. White Rabbit Timepieces

This independent watch manufacturer has a strong brand and strives to reach exclusive Wonderland customers. Many Wonderland shops carry one or two types of Rabbit watches; in contrast, the company store carries each of hundreds of models and sizes. Distribution shops pay Rabbit only after a watch has sold.

Intangible assets high receivables

The manufacturing is done by hand using specialized equipment that typically lasts about 15 years.

High inventory

11. Caterpillar Smoke and Gears

Large chain of customer shops owned by Caterpillar; these stores are the only source in Wonderland for some consumer goods such as Gryphon's Blacking and Whiting. In the last few years Caterpillar has acquired two smaller chains of customer shops to move into higher foot-traffic locations; before the acquisitions Caterpillar Smoke and Gears had several money-losing years.

good gross margins.

goodwill asset.

deferred tax asset.

Caterpillar Smoke and Gears lost a trademark battle last year to White's Chess Supply and Sundries, and is financed via loans from Standard Bank of Wonderland.

Legal fee; debt-financed.

12. White's Chess Supply and Sundries

Chain of consumer shops, owned by the court of the White King, that deals in many kinds of consumer goods and funds upkeep of the King's court. Staff's activities include development of new chess pieces and use of new materials in boards and pieces.

pays dividends R&D

13. Scrumptious Essences

This chain of shops has an exclusive license to sell size-changing Drinkme TM and Eatme TM products, which it makes using materials purchased from Wonderland Dye. Scrumptious Essences also does some experimenting on potions' effect on mirrors.

high gross margins low payables days R&D costs

14. Tweedle Brothers Essential Supplies

This small customer shop, like many in Wonderland, sells looking glasses, toothpaste, and magic potions. The brothers own their building and staff the counter themselves whenever possible. The shop only keeps the most commonly needed items and is often out-of-stock. Tweedle Brothers is slow to pay its bills.

low margins some depreciation low salary costs low inventory high accounts payables.

15. Hatter's Tea-stop

Tea shop owned by the Mad Hatter, who spends some of his time developing new tea combinations. Offers customers who are having an unbirthday the unusual option to pay after 30 days, but then often has trouble collecting payment.

R&D costs. high receivables days

16. Little Mouse Tea

Tea shop formerly part of Hatter's Tea-stop that split off a few years ago and subsequently lost a suit filed by the same. Benefited from low prices for raw tea across Wonderland this year. The corporate split ws funded by a loan which will come due in a few years.

one-time legal payment low gross margin debt-financed

17. Humpty Dumpty Sundries

Another sundries shop, one of the best-respected names among sundry shops in Wonderland. Offers guaranteed availability of the widest range of goods anywhere in Wonderland; suppliers grumble about Humpty Dumpty's fairly long days payable.

intangible asset high inventory high payables

18. The Purple Walrus

This oyster bar owned by Walrus is not very popular and not very unpopular. Staff are known to be grumpy, but the oysters are always fresh. The bar has borrowed heavily from Standard Bank of Wonderland, the smallest business to do so, and has good relationships with vendors of lemon juice and wine as well as with the landlord.

smaller intangible asset staff are underpaid. payables not too high No oyster vendors...

For years, the tax agency has puzzled over the Purple Walrus's low profitability and wondered where the revenues are going.

"banking fees" are hiding revenue

12. White's Chess Supply and Sundries

Chain of consumer shops, owned by the court of the White King, that deals in many kinds of consumer goods and funds upkeep of the King's court. Staff's activities include development of new chess pieces and use of new materials in boards and pieces.

pays dividends R&D

Revenue		
Total revenue	10,000	
Costs and expenses		
Cost of goods sold	7,800	gross margin: 22%
Occupancy costs	200	
Advertising and marketing costs	50	
Research & development	800	Chess set development
Salary and benefits	1,000	10% of revenue
Total operating expenses	9,850	
Income (loss) from operations	150	
Interest expense	(198)	interest rate: 11%
One-time settlement in legal dispute	500	
Income before taxes	452	
Income taxes paid	5	Tax line red herring: $5 \rightarrow E$
Net income	447	
Consolidated Statement of Cash Flows	•	
Cash and cash equivalents: beginning of period	9,665	
Net Income	9,003 447	
Net cash flows from operating activities	447	
Dividend payment	(111)	Court upkeep
Net cash flows from financing activities	(111)	Соит иркеер
Cash and cash equivalents: end of period	10,000	
Cash and Cash equivalents. End of period	10,000	
Statement of Assets & Liabilities		
<u>Assets</u>		
Cash and cash equivalents	10,000	
Inventory	641	
Total current assets	10,641	
Goodwill & Intangible assets	13,000	Overpayment for acquisitions
Total assets	23,647	Correct sum is 23641: off by $6 \rightarrow \mathbf{F}$
Liabilities		
Accounts payable	800	
Current portion of debt	90	
Total current liabilities	890	
Long-term debt	1,800	
Total liabilities	2,690	
Stockholders' equity	20,957	
Payables days	29.6	(Accounts payable) / (operating expenses / 365)
Inventory days	29.9	(Inventory) / (COGS per day)
involution adys	20.0	(inventory) / (coop per day)

3. Rust Works Steel & Metal Products

Rust Works Steel & Metal Products is an industrial conglomerate that mines raw materials and makes steel and other industrial goods in a highly-automated operation. It sells to Travels with Turtles as well as to Solid Manufacturing, Inc. The mines it owns are expected to be in operation for close to a century; other fixed assets are also long-lived, but are occasionally sold.

low salary costs long depreciation years (fixed assets / depr.)

Rust Works Steel & Metal Products is slow to pay its bills and slow to collect payment from its customers. Simiarly, its customers have high "days payable" and "days receivable" amounts.

high payables & receivables days

Revenue		
Total revenue	50,000	
Costs and expenses		
Cost of goods sold	29,000	gross margin: 42%: high
Depreciation & amortization	2,500	Depreciation is 1/100 fixed assets
Salary and benefits	1,500	3% of revenue: mostly automated
Total operating expenses	33,000	*
Income (loss) from operations	17,000	
Interest expense	(13,716)	interest rate: 6%
Income before taxes	3,284	
Income taxes paid	1,024	Tax line red herring: $24 \rightarrow X$
Net income	2,260	
Consolidated Statement of Cash Flow		
Cash and cash equivalents: beginning of period		
Net Income	2,260	
Depreciation & amortization	2,500	
Net cash flows from operating activities	4,760	
New debt incurred (repayed)	(10,000)	
Net cash flows from financing activities	(10,000)	
Cash and cash equivalents: end of period	10,000	
Assets Cash and cash equivalents Accounts receivable	10,000 10,400	
Material inventory	795	Manufacturing inventory
Finished goods inventory	1,589	g ,
Total current assets	22,798	Correct sum is 22784: off by $14 \rightarrow N$
Property & fixed assets	250,000	3
Goodwill & Intangible assets	230,000	
Goodwiii & iiitaligibic assets	· · · · · · · · · · · · · · · · · · ·	Overpayment for acquisitions
Total assets	13,000 285,798	Overpayment for acquisitions
Total assets	13,000	Overpayment for acquisitions
Total assets	13,000	Overpayment for acquisitions
Total assets Liabilities	13,000 285,798	Overpayment for acquisitions
Total assets Liabilities Accounts payable	13,000 285,798 6,700	Overpayment for acquisitions
Total assets Liabilities Accounts payable Current portion of debt	13,000 285,798 6,700 11,430	Overpayment for acquisitions
Total assets Liabilities Accounts payable Current portion of debt Total current liabilities	13,000 285,798 6,700 11,430 18,130	Overpayment for acquisitions
Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	13,000 285,798 6,700 11,430 18,130 228,600	Overpayment for acquisitions
Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities Stockholders' equity	13,000 285,798 6,700 11,430 18,130 228,600 246,730 39,068	
Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities Stockholders' equity Depreciation years	13,000 285,798 6,700 11,430 18,130 228,600 246,730 39,068	(fixed assets) / depreciation
Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	13,000 285,798 6,700 11,430 18,130 228,600 246,730 39,068	

6. Solid Manufacturing, Inc.

This contract manufacturer for Dovetail Design also makes tooling for White Rabbit Time-pieces and other customers. It is heavily invested in precision manufacturing equipment and its margins are razor-thin.

high depreciation, high fixed assets.

Revenue		
Total revenue	30,000	
Costs and expenses		
Cost of goods sold	24,000	gross margin: 20%
Depreciation & amortization	3,750	
Salary and benefits	900	3% of revenue
Total operating expenses	28,650	
Income (loss) from operations	1,350	
Interest expense	(492)	interest rate: 6%
Income before taxes	858	
Income taxes paid	14	Tax line red herring: $14 \rightarrow N$
Net income	844	
Consolidated Statement of Cash Flows		
Cash and cash equivalents: beginning of period	5,406	
Net Income	844	
Depreciation & amortization	3,750	
Net cash flows from operating activities	4,594	
Cash and cash equivalents: end of period	10,000	
Statement of Assets & Liabilities		
<u>Assets</u>		
Cash and cash equivalents	10,000	
Accounts receivable	6,200	
Material inventory	658	Manufacturing inventory
Finished goods inventory	1,315	
Total current assets	18,173	
Property & fixed assets	75,000	
Deferred tax asset	10,000	Tax credit from money-losing years
Total assets	103,173	
<u>Liabilities</u>		
Accounts payable	5,800	
Current portion of debt	410	
Total current liabilities	6,210	
Long-term debt	8,200	
Total liabilities	14,410	
Stockholders' equity	88,782	Correct value is 88763: off by $19 \rightarrow S$
Depreciation years	20	(fixed assets) / depreciation
Receivables days (days sales outstanding)	75.4	(Accounts receivable) / (Revenue/365)
Payables days	73.8	(Accounts payable) / (operating expenses / 365)
Inventory days	30.0	(Inventory) / (COGS per day)

16. Little Mouse Tea

Tea shop formerly part of Hatter's Tea-stop that split off a few years ago and subsequently lost a suit filed by the same. Benefited from low prices for raw tea across Wonderland this year. The corporate split ws funded by a loan which will come due in a few years.

one-time legal payment low gross margin debt-financed

Revenue		
Total revenue	10,000	
Costs and expenses		
Cost of goods sold	7,000	gross margin: 30%: low-priced raw tea
Occupancy costs	200	
Salary and benefits	1,000	10% of revenue
Total operating expenses	8,200	
Income (loss) from operations	1,800	
Interest expense	(924)	interest rate: 11%
One-time settlement in legal dispute	(500)	
Income before taxes	376	
Income taxes paid	14	Tax line red herring: $14 \rightarrow N$
Net income	362	
Consolidated Statement of Cash Flows		
Cash and cash equivalents: beginning of period	(5,362)	
Net Income	362	
Net cash flows from operating activities	362	
New debt incurred (repayed)	15,000	
Net cash flows from financing activities	15,000	
Cash and cash equivalents: end of period	10,000	
Statement of Assets & Liabilities		
Assets		
Cash and cash equivalents	10,000	
Inventory	575	
Total current assets	10,575	
Total assets		
Total assets	10,575	
Liabilities	10,575	
	600	
<u>Liabilities</u>	,	
Liabilities Accounts payable Total current liabilities Long-term debt	600	
<u>Liabilities</u> Accounts payable Total current liabilities	600	
Liabilities Accounts payable Total current liabilities Long-term debt	600 600 8,400	Correct value is 1575: off by $9 \rightarrow I$
Liabilities Accounts payable Total current liabilities Long-term debt Total liabilities	600 600 8,400 9,000	Correct value is 1575: off by 9→ I (Accounts payable) / (operating expenses / 365

8. Emblaze

The Cheshire Cat's line of toothpaste. The majority of ingredients are purchased from Wonderland Dyes and Potions; its materials are cheap but its advertising is expensive, as is its manufacturing equipment which must be replaced about every ten years. Like most customers of Wonderland Dyes and Potions, Emblaze is paid promptly and pays its bills promptly as well.

good gross margin high advertising cost high fixed assets; 10-yr depreciation low receivables days; low payables days

Revenue		
Total revenue	40,000	
Costs and expenses		
Cost of goods sold	26,000	gross margin: 35%
Depreciation & amortization	4,000	
Advertising and marketing costs	2,000	
Salary and benefits	4,000	10% of revenue
Total operating expenses	36,000	
Income (loss) from operations	4,000	
Interest expense	(252)	interest rate: 6%
Income before taxes	3,748	
Income taxes paid	1,018	Tax line red herring: $18 \rightarrow \mathbf{R}$
Net income	2,730	
Consolidated Statement of Cash Flows	;	
Cash and cash equivalents: beginning of period	3,270	
Net Income	2,730	
Depreciation & amortization	4,000	
Net cash flows from operating activities	6,730	
Cash and cash equivalents: end of period	10,000	
Statement of Assets & Liabilities Assets		
Cash and cash equivalents	10,000	
Accounts receivable	1,100	
Material inventory	712	Manufacturing inventory
Finished goods inventory	1,425	•
Total current assets	13,237	
Property & fixed assets	40,000	
Total assets	53,237	
Liabilities		
Accounts payable	900	
Current portion of debt	210	
Total current liabilities	1,110	
Long-term debt	4,200	
Total liabilities	5,310	
Stockholders' equity	47,942	Correct value is 47927: off by $15 \rightarrow 0$
Depreciation years	10	(fixed assets) / depreciation
Receivables days (days sales outstanding)	10.0	(Accounts receivable) / (Revenue/365)
Payables days Payables days	9.12	(Accounts payable) / (operating expenses / 365
Inventory days	30.0	(Inventory) / (COGS per day)
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11. Caterpillar Smoke and Gears

Large chain of customer shops owned by Caterpillar; these stores are the only source in Wonderland for some consumer goods such as Gryphon's Blacking and Whiting. In the last few years Caterpillar has acquired two smaller chains of customer shops to move into higher foot-traffic locations; before the acquisitions Caterpillar Smoke and Gears had several money-losing years.

good gross margins.

goodwill asset.

deferred tax asset.

Caterpillar Smoke and Gears lost a trademark battle last year to White's Chess Supply and Sundries, and is financed via loans from Standard Bank of Wonderland.

Legal fee; debt-financed.

Total revenue	30,000	
Costs and expenses		
Cost of goods sold	19,500	gross margin: 35%
Occupancy costs	600	
Salary and benefits	3,000	10% of revenue
Total operating expenses	23,100	
Income (loss) from operations	6,900	
Interest expense	(1,656)	interest rate: 6%
One-time settlement in legal dispute	(500)	
Income before taxes	4,744	
Income taxes paid	1,008	Tax line red herring: $8 \rightarrow H$
Net income	3,736	
Consolidated Statement of Cash Flows	S	
Cash and cash equivalents: beginning of period	(8,736)	
Net Income	3,736	
Net cash flows from operating activities	3,736	
New debt incurred (repayed)	15,000	
Net cash flows from financing activities	15,000	
Cash and cash equivalents: end of period	10,000	
Cash and Cash equivalents, end of period	10,000	
Statement of Assets & Liabilities <u>Assets</u>	,	
Statement of Assets & Liabilities	10,000	
Statement of Assets & Liabilities <u>Assets</u>	,	
Statement of Assets & Liabilities Assets Cash and cash equivalents	10,000 1,603 11,603	
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory	10,000 1,603 11,603 13,000	Overpayment for acquisitions
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset	10,000 1,603 11,603 13,000 10,000	Tax credit from money-losing years
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets	10,000 1,603 11,603 13,000	
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets Liabilities	10,000 1,603 11,603 13,000 10,000 34,618	Tax credit from money-losing years
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets Liabilities Accounts payable	10,000 1,603 11,603 13,000 10,000 34,618 1,800	Tax credit from money-losing years
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets Liabilities Accounts payable Current portion of debt	10,000 1,603 11,603 13,000 10,000 34,618 1,800 1,380	Tax credit from money-losing years
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets Liabilities Accounts payable Current portion of debt Total current liabilities	10,000 1,603 11,603 13,000 10,000 34,618 1,800 1,380 3,180	Tax credit from money-losing years
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 1,603 11,603 13,000 10,000 34,618 1,800 1,380 3,180 27,600	Tax credit from money-losing years
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets Liabilities Accounts payable Current portion of debt Total current liabilities	10,000 1,603 11,603 13,000 10,000 34,618 1,800 1,380 3,180 27,600 30,780	Tax credit from money-losing years
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 1,603 11,603 13,000 10,000 34,618 1,800 1,380 3,180 27,600	Tax credit from money-losing years
Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Deferred tax asset Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	10,000 1,603 11,603 13,000 10,000 34,618 1,800 1,380 3,180 27,600 30,780	Tax credit from money-losing years

18. The Purple Walrus

This oyster bar owned by Walrus is not very popular and not very unpopular. Staff are known to be grumpy, but the oysters are always fresh. The bar has borrowed heavily from Standard Bank of Wonderland, the smallest business to do so, and has good relationships with vendors of lemon juice and wine as well as with the landlord.

smaller intangible asset staff are underpaid. payables not too high No oyster vendors...

For years, the tax agency has puzzled over the Purple Walrus's low profitability and wondered where the revenues are going.

"banking fees" are hiding revenue

Revenue		
Total revenue	20,000	small
Costs and expenses		
Cost of goods sold	1,625	Walrus tricks oysters into coming in for free.
Depreciation & amortization	500	
Occupancy costs	1,000	
Salary and benefits	2,300	12% of revenue
Banking fees	13,889	Untaxed revenue passed through Walrus's bank
Total operating expenses	19,314	
Income (loss) from operations	686	
Interest expense	(96)	interest rate: 6%
Income before taxes	590	
Income taxes paid	100	Tax line red herring: $0 \rightarrow 0$
0	109	
Net income	490	
Consolidated Statement of Cash Flows		
Cash and cash equivalents: beginning of period	9,010	
Net Income	490	
Depreciation & amortization	500	
Net cash flows from operating activities	990	
Cash and cash equivalents: end of period	10,000	
Statement of Assets & Liabilities Assets Cash and cash equivalents	10,000	
Inventory	36	
Total current assets	10,036	
Property & fixed assets	10,000	
Goodwill & Intangible assets	500	Overpayment for acquisitions
Total assets	20,543	Correct sum is 20536: off by $7 \rightarrow G$
Liabilities	20,343	Collect sum is 20330. On by 174
Accounts payable	1,500	
Current portion of debt	80	
Total current liabilities	1,580	
Long-term debt	1,600	
Total liabilities	3,180	
Stockholders' equity	17,363	
Stockholuers equity	17,303	
Depreciation years	20	(fixed assets) / depreciation
Payables days	28.3	(Accounts payable) / (operating expenses / 365)
Inventory days	8.08	(Inventory) / (COGS per day)

9. The White and The Black

One of many manufacturers of blacking and whiting, this small company is dependent on the only supplier for its key ingredients, Wonderland Dyes and Potions. Owned by Gryphon, who prides himself on managing cash flow and keeping inventory days low.

weak competitive position: low margin low payables, rec'bles & inventory

Revenue		
Total revenue	10,000	
Costs and expenses		
Cost of goods sold	8,200	gross margin: 18%
Depreciation & amortization	500	
Salary and benefits	1,000	10% of revenue
Total operating expenses	9,700	
Income (loss) from operations	300	
Interest expense	(176)	interest rate: 11%
Income before taxes	124	
Income taxes paid	5	Tax line red herring: $5 \rightarrow E$
Net income	119	
Consolidated Statement of Cash Flows	;	
Cash and cash equivalents: beginning of period	9,681	
Net Income	119	
Depreciation & amortization	200	
Net cash flows from operating activities	319	
Cash and cash equivalents: end of period	10,000	
Statement of Assets & Liabilities		
Assets		
Cash and cash equivalents	10,000	
Accounts receivable	200	
Material inventory	75	Manufacturing inventory
Finished goods inventory	150	
Total current assets	10,425	
Property & fixed assets	10,000	
Total assets	20,428	Correct sum is 20425: off by $3 \rightarrow \mathbb{C}$
Liabilities		·
Accounts payable	200	
Current portion of debt	80	
Total current liabilities	280	
Long-term debt	1,600	
Total liabilities	1,880	
Stockholders' equity	18,548	
Depreciation years	20	(fixed assets) / depreciation
Receivables days (days sales outstanding)	7.3	(Accounts receivable) / (Revenue/365)
	_	
Payables days	7.52	(Accounts payable) / (operating expenses / 365)

2. First Wonderland Bank

Statement of Operations

Revenue

A bank focused on small Wonderland merchants and loans for Wonderland individuals. First Wonderland has many branches in convenient areas of Wonderland and excellent customer service.

higher occupancy costs higher salary payments

Revenue from interest	5,588	Higher interest rate: 11%
Other revenue	40,000	
Total revenue	45,588	
Costs and expenses		
Interest paid	3,500	
Provision for loan loss	1,000	
Occupancy costs	600	
Salary and benefits	7,978	18% of revenue: higher than other bank
Total operating expenses	13,078	
Income (loss) from operations	32,510	
Income before taxes	32,510	
Income taxes paid	10,001	Tax line red herring: $1 \rightarrow A$
Net income	22,509	

Consolidated Statement of Cash Flows	
Cash and cash equivalents: beginning of period	7,491
Net Income	22,509
Net cash flows from operating activities	22,509
Purchases of treasury shares	(10,000)
Proceeds from issuance (repurchase) of long-term debt	(10,000)
Net cash flows from financing activities	(20,000)
Cash and cash equivalents: end of period	10,000

Statement of Assets & Liabilities <u>Assets</u>		
Cash and cash equivalents	10,000	
Property & fixed assets	4,559	
Mortgage loans	12,000	Consumer loans
Loan assets	38,800	
Total assets	65,359	
Liabilities		
Deposits	50,000	
Total liabilities	50,000	
Stockholders' equity	15,361	Correct value is 15359: off by $2 \rightarrow \mathbf{B}$

This is one of two bank statements: it has loans as assets, deposits as liabilities, and revenue from interest. This bank's interest is a higher percent of its loan assets.

17. Humpty Dumpty Sundries

Another sundries shop, one of the best-respected names among sundry shops in Wonderland. Offers guaranteed availability of the widest range of goods anywhere in Wonderland; suppliers grumble about Humpty Dumpty's fairly long days payable.

intangible asset high inventory high payables

Revenue		
Total revenue	30,000	
Costs and expenses		
Cost of goods sold	24,000	gross margin: 20%
Occupancy costs	600	
Advertising and marketing costs	150	
Salary and benefits	3,000	10% of revenue
Total operating expenses	27,750	
Income (loss) from operations	2,250	
Interest expense	(209)	interest rate: 11%
Income before taxes	2,041	
Income taxes paid	707	Tax line red herring: $7 \rightarrow G$
0	1,018	<u> </u>
Net income	1,334	
Cash and cash equivalents: beginning of period Net Income	8,666 1,334	
	,	
Net income	,	
Nat and Carre Commention and in the	1 224	
Net cash flows from operating activities Cash and cash equivalents: end of period	1,334 10,000	
Cash and cash equivalents: end of period Statement of Assets & Liabilities	,	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets	10,000	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents	10,000	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory	10,000 10,000 1,973	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets	10,000 10,000 1,973 11,973	Overpayment for acquisitions
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory	10,000 10,000 1,973 11,973 13,000	Overpayment for acquisitions
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Total assets	10,000 10,000 1,973 11,973	Overpayment for acquisitions
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Total assets Liabilities	10,000 10,000 1,973 11,973 13,000	Overpayment for acquisitions
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Total assets Liabilities Accounts payable	10,000 10,000 1,973 11,973 13,000 24,973	Overpayment for acquisitions
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Total assets Liabilities	10,000 10,000 1,973 11,973 13,000 24,973 5,700	Overpayment for acquisitions
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities	10,000 10,000 1,973 11,973 13,000 24,973 5,700 95 5,795	Overpayment for acquisitions
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Total assets Liabilities Accounts payable Current portion of debt	10,000 10,000 1,973 11,973 13,000 24,973 5,700 95 5,795 1,900	Overpayment for acquisitions
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 10,000 1,973 11,973 13,000 24,973 5,700 95 5,795	Overpayment for acquisitions Correct value is 17278: off by $14 \rightarrow N$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Goodwill & Intangible assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	10,000 10,000 1,973 11,973 13,000 24,973 5,700 95 5,795 1,900 7,695	

7. Dovetail Design & Manufacturing

Leading provider of computational plug-ins for mechanical "computers" which are increasingly popular in Wonderland. Dovetail offers modules that perform simple differentiation and integration that can be connected into simple parlour games; it continuously develops new products.

R&D expenditure

intangible brand asset Etursold (higher interest rate)

Dovetail contracts with Solid Manufacturing, Inc. for the high-precision manufacturing of its widgets. Its name is known throughout Wonderland, and its products are sold in a variety of Wonderland shops and resellers. Carpenter owns a majority stake and refuses to bank with Standard Wonderland.

Revenue		
Total revenue	40,000	
Costs and expenses		
Cost of goods sold	31,200	gross margin: 22%
Depreciation & amortization	300	
Advertising and marketing costs	200	
Research & development	3,200	
Salary and benefits	4,000	10% of revenue
Total operating expenses	38,900	
Income (loss) from operations	1,100	
Interest expense	(275)	interest rate: 11%
Income before taxes	825	
Income taxes paid	5	Tax line red herring: $5 \rightarrow E$
Net income	820	
Consolidated Statement of Cash Flows	;	
Cash and cash equivalents: beginning of period	11,880	
Net Income	820	
Depreciation & amortization	300	
Net cash flows from operating activities	1,120	
Net cash flows from investing activities	(3,000)	Investing in its own growth
Cash and cash equivalents: end of period	10,000	
Statement of Assets & Liabilities <u>Assets</u>		
Cash and cash equivalents	10,000	
Accounts receivable	3,300	
Material inventory	855	Manufacturing inventory
Finished goods inventory	1,710	
Total current assets	15,885	Correct sum is 15865: off by $20 \rightarrow \mathbf{T}$
Property & fixed assets	3,000	
Goodwill & Intangible assets	13,000	Overpayment for acquisitions
Total assets	31,885	
<u>Liabilities</u>	7.000	
Accounts payable	7,900	
Total current liabilities	7,900	
Long-term debt	2,500	
Total liabilities	10,400	
Stockholders' equity	21,485	
Depreciation years	10	(fixed assets) / depreciation
Receivables days (days sales outstanding)	30.1	(Accounts receivable) / (Revenue/365)
	74.1	(Accounts receivable) / (Revenue/303) (Accounts payable) / (operating expenses / 365)
Payables days Inventory days	30.0	(Inventory) / (COGS per day)
inventory days	30.0	(mventory) / (COOs per day)

1. Standard Bank of Wonderland

A commercial bank offering loans with competitive interest rates to Wonderland businesses; it has also issued a consumer credit card. Walrus is a major shareholder.

lower interest payments fee revenues

Revenue		
Revenue from interest	24,654	Lower interest rate: 6%
Revenue from fees	34,689	Credit card fees
Total revenue	59,343	
Costs and expenses		
Interest paid	16,000	
Provision for loan loss	5,000	
Occupancy costs	100	
Salary and benefits	1,780	3% of revenue
Special payment to small business owner	14,689	Purple Walrus "Fee" returned to Walrus
Total operating expenses	37,569	
Income (loss) from operations	21,774	
Income before taxes	21,774	
Income taxes paid	7,020	Tax line red herring: $20 \rightarrow T$
Net income	14,754	
Consolidated Statement of Cash Flows		
Cash and cash equivalents: beginning of period	5,246	
Net Income	14,754	
Net cash flows from operating activities	14,754	
Proceeds from issuance (repurchase) of long-term debt	(10,000)	
1 locceds from issuance (reputchase) of long-term debt	(10,000)	
	(10,000)	
Net cash flows from financing activities Cash and cash equivalents: end of period	\ '	
Net cash flows from financing activities Cash and cash equivalents: end of period	(10,000)	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities	(10,000)	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets	(10,000) 10,000	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents	(10,000) 10,000	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets	(10,000) 10,000 10,000 5,934	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Property & fixed assets	(10,000) 10,000 10,000 5,934 397,900	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Property & fixed assets Loan assets Other assets	(10,000) 10,000 10,000 5,934 397,900 13,000	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Property & fixed assets Loan assets Other assets Total assets	(10,000) 10,000 10,000 5,934 397,900	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Property & fixed assets Loan assets Other assets Total assets Liabilities	(10,000) 10,000 10,000 5,934 397,900 13,000 426,834	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Property & fixed assets Loan assets	(10,000) 10,000 10,000 5,934 397,900 13,000	

This is one of two bank statements: it has loans as assets, deposits as liabilities, and revenue from interest. This bank's interest is a lower percent of its loan assets, and it has fee revenue from its credit cards.

13. Scrumptious Essences

This chain of shops has an exclusive license to sell size-changing $Drinkme^{TM}$ and $Eatme^{TM}$ products, which it makes using materials purchased from Wonderland Dye. Scrumptious Essences also does some experimenting on potions' effect on mirrors.

high gross margins low payables days R&D costs

Revenue		
Total revenue	30,000	
Costs and expenses		
Cost of goods sold	19,500	gross margin: 35%
Occupancy costs	600	
Research & development	2,400	experimentation
Salary and benefits	3,000	10% of revenue
Total operating expenses	25,500	
Income (loss) from operations	4,500	
Interest expense	(99)	interest rate: 11%
Income before taxes	4,401	
Income taxes paid	1,018	Tax line red herring: $18 \rightarrow R$
Net income	3,383	
Consolidated Statement of Cash Flows		
Cash and cash equivalents: beginning of period	6,617	
Net Income	3,383	
1 tet meome	5,505	
Net cash flows from operating activities	3 383	
Net cash flows from operating activities Cash and cash equivalents: end of period	3,383 10,000	
Cash and cash equivalents: end of period		
Cash and cash equivalents: end of period Statement of Assets & Liabilities		
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets	10,000	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents	10,000	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory	10,000 10,000 1,603	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets	10,000 10,000 1,603 11,603	Correct sum is 11602; off by 6
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets	10,000 10,000 1,603	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets Liabilities	10,000 10,000 1,603 11,603 11,609	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets Liabilities Accounts payable	10,000 10,000 1,603 11,603 11,609 600	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets Liabilities Accounts payable Current portion of debt	10,000 10,000 1,603 11,603 11,609 600 45	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities	10,000 10,000 1,603 11,603 11,609 600 45 645	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 10,000 1,603 11,603 11,609 600 45 645 900	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	10,000 10,000 1,603 11,603 11,609 600 45 645 900 1,545	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 10,000 1,603 11,603 11,609 600 45 645 900	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	10,000 10,000 1,603 11,603 11,609 600 45 645 900 1,545	Correct sum is 11603: off by $6 \rightarrow \mathbf{F}$ (Accounts payable) / (operating expenses / 365)

5. Wonderland Dyes and Potions

This innovative company is the premier producer of dyes and flavors in Wonderland: Its ingredients are key for manufacture of blacking and whiting as well as toothpaste and any size-changing food or drink. Wonderland D&P owns top-of-the-line chemical manufacturing equipment. It is known to demand quick payment from its customers, and this reputation helps its customers keep their accounts recievable balances low as well.

high fixed assets low accounts receivable

Revenue		
Total revenue	50,000	
Costs and expenses		
Cost of goods sold	32,500	gross margin: 35%: high
Depreciation & amortization	6,250	
Salary and benefits	5,000	10% of revenue
Total operating expenses	43,750	
Income (loss) from operations	6,250	
Interest expense	(666)	interest rate: 6%
Income before taxes	5,584	
Income taxes paid	1,009	Tax line red herring: $9 \rightarrow I$
0	106	
Net income	4,575	
Consolidated Statement of Cash Flow	vs.	
Cash and cash equivalents: beginning of period	19,175	
Net Income	4,575	
Depreciation & amortization	6,250	
Net cash flows from operating activities	10,825	
	(20,000)	
New debt incurred (repayed)		
New debt incurred (repayed) Net cash flows from financing activities	(20,000)	
Net cash flows from financing activities Cash and cash equivalents: end of period	(20,000) 10,000	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets	10,000	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents	10,000	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable	10,000 10,000 1,300	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory	10,000 10,000 1,300 890	Manufacturing inventory
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory	10,000 10,000 1,300 890 1,781	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets	10,000 10,000 1,300 890 1,781 13,994	Manufacturing inventory Correct sum is 13971: off by 23→ W
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets	10,000 10,000 1,300 890 1,781 13,994 125,000	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets	10,000 10,000 1,300 890 1,781 13,994	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities	10,000 10,000 1,300 890 1,781 13,994 125,000 138,994	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable	10,000 10,000 1,300 890 1,781 13,994 125,000 138,994 1,100	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt	10,000 10,000 1,300 890 1,781 13,994 125,000 138,994 1,100 555	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities	10,000 10,000 1,300 890 1,781 13,994 125,000 138,994 1,100 555 1,655	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 10,000 1,300 890 1,781 13,994 125,000 138,994 1,100 555 1,655 11,100	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	10,000 10,000 1,300 890 1,781 13,994 125,000 138,994 1,100 555 1,655 11,100 12,755	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 10,000 1,300 890 1,781 13,994 125,000 138,994 1,100 555 1,655 11,100	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	10,000 10,000 1,300 890 1,781 13,994 125,000 138,994 1,100 555 1,655 11,100 12,755	
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities Stockholders' equity	10,000 1,000 1,300 890 1,781 13,994 125,000 138,994 1,100 555 1,655 11,100 12,755 126,239	Correct sum is 13971: off by 23→ W
Net cash flows from financing activities Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Accounts receivable Material inventory Finished goods inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities Stockholders' equity Depreciation years	10,000 1,000 1,300 890 1,781 13,994 125,000 138,994 1,100 555 1,655 11,100 12,755 126,239	Correct sum is 13971: off by 23→ W (fixed assets) / depreciation

15. Hatter's Tea-stop

Tea shop owned by the Mad Hatter, who spends some of his time developing new tea combinations. Offers customers who are having an unbirthday the unusual option to pay after 30 days, but then often has trouble collecting payment.

R&D costs. high receivables days

Revenue		
Total revenue	30,000	
Costs and expenses		
Cost of goods sold	20,000	gross margin: 33%: low-priced raw tea
Occupancy costs	600	
Research & development	2,400	Tea combination development
Salary and benefits	3,000	10% of revenue
Total operating expenses	26,000	
Income (loss) from operations	4,000	
Interest expense	(1,562)	interest rate: 11%
One-time settlement in legal dispute	500	
Income before taxes	2,938	
Income taxes paid	909	Tax line red herring: $9 \rightarrow I$
0	1,005	
Net income	2,029	
Consolidated Statement of Cash Flows		
Cash and cash equivalents: beginning of period	7,971	
Net Income	2,029	
Net cash flows from operating activities	2,029	
Cash and cash equivalents: end of period	10,000	
Statement of Assets & Liabilities		
Assets		
Cash and cash equivalents	10,000	
Accounts receivable	6,200	
Inventory	1,644	
Total current assets	17,844	
Total assets	17,844	
Liabilities	- , -	
Accounts payable	2,100	
Current portion of debt	710	
Total current liabilities	2,810	
Long-term debt	14,200	
Total liabilities	17,010	
Stockholders' equity	852	Correct value is 834: off by $18 \rightarrow \mathbf{R}$
Pagainables days (days sales outstanding)	75.4	(Accounts receivable) / (Revenue/365)
Receivables days (days sales outstanding) Payables days	75.4 29.4	(Accounts payable) / (perating expenses / 365)
Inventory days	30.0	(Inventory) / (COGS per day)

4. Travels with Turtles

A popular, well-known travel company that owns its own infrastructure and cars, each of which require replacement every couple of decades. Travels with Turtles is financed with a loan from Standard Bank of Wonderland; some years it loses money.

Good brand recognition 20-yr depreciation Deferred tax asset.

Revenue		
Total revenue	50,000	
Costs and expenses		
Cost of goods sold	20,000	gross margin: 60%: high
Depreciation & amortization	5,000	Depreciation is 1/20 fixed assets
Advertising and marketing costs	250	•
Salary and benefits	12,500	25% of revenue
Total operating expenses	37,750	
Income (loss) from operations	12,250	
Interest expense	(6,576)	interest rate: 6%
Income before taxes	5,674	
Income taxes paid	1,012	Tax line red herring: $12 \rightarrow L$
Net income	4,662	
Consolidated Statement of Cash Flows	S	
Cash and cash equivalents: beginning of period	10,338	
Net Income	4,662	
Depreciation & amortization	5,000	
Net cash flows from operating activities	9,662	
New debt incurred (repayed)	(10,000)	
Net cash flows from financing activities	(10,000)	
Cash and cash equivalents: end of period	10,000	
1	,	
Statement of Assets & Liabilities		
Assets		
Cash and cash equivalents	10,000	
Accounts receivable	4,100	
Total current assets	14,100	
Property & fixed assets	100,000	
Goodwill & Intangible assets	13,000	Overpayment for acquisitions
Deferred tax asset	10,000	Tax credit from money-losing years
Total assets	137, 100	
Liabilities		
Accounts payable	3,100	
Current portion of debt	5,480	
Total current liabilities	8,580	
Long-term debt	109,600	
Total liabilities	118,180	
Stockholders' equity	18,925	Correct value is 18920: off by $5 \rightarrow \mathbf{E}$
Depreciation years	20	(fixed assets) / depreciation
Receivables days (days sales outstanding)	29.9	(Accounts receivable) / (Revenue/365)
Payables days	29.9	(Accounts payable) / (operating expenses / 365
1 ayautes days	29.9	(Accounts payable) / (Operating expenses / 503)

10. White Rabbit Timepieces

This independent watch manufacturer has a strong brand and strives to reach exclusive Wonderland customers. Many Wonderland shops carry one or two types of Rabbit watches; in contrast, the company store carries each of hundreds of models and sizes. Distribution shops pay Rabbit only after a watch has sold.

Intangible assets high receivables

The manufacturing is done by hand using specialized equipment that typically lasts about 15 years.

High inventory

Revenue		
Total revenue	30,000	
Costs and expenses		
Cost of goods sold	23,400	gross margin: 22%
Depreciation & amortization	1,500	
Advertising and marketing costs	150	
Salary and benefits	3,000	10% of revenue
Total operating expenses	28,050	
Income (loss) from operations	1,950	
Interest expense	(306)	interest rate: 6%
Income before taxes	1,644	
Income taxes paid	404	Tax line red herring: $4 \rightarrow D$
0	501	
Net income	1,240	
Consolidated Statement of Cash Flows	;	
Cash and cash equivalents: beginning of period	7,260	
Net Income	1,240	
Depreciation & amortization	1,500	
Net cash flows from operating activities	2,740	
Cash and cash equivalents: end of period	10,000	
Statement of Assets & Liabilities Assets Cash and cash equivalents	10,000	
Accounts receivable	6,200	
Inventory	4,808	
Total current assets	21,008	
Property & fixed assets	30,000	
Goodwill & Intangible assets	13,000	Overpayment for acquisitions
Total assets	64,008	overpayment for acquisitions
Liabilities	01,000	
Accounts payable	2,300	
Current portion of debt	255	
Total current liabilities	2,555	
Long-term debt	5,100	
Total liabilities	7,655	
Stockholders' equity	56,364	Correct value is 56353: off by $11 \rightarrow \mathbf{K}$
	,	•
Depreciation years	20	(fixed assets) / depreciation
Receivables days (days sales outstanding)	75.4	(A : 11) / (D : /2 (T)
		(Accounts receivable) / (Revenue/365)
Payables days Inventory days	29.9 74.9	(Accounts receivable) / (Revenue/365) (Accounts payable) / (operating expenses / 365) (Inventory) / (COGS per day)

14. Tweedle Brothers Essential Supplies

This small customer shop, like many in Wonderland, sells looking glasses, toothpaste, and magic potions. The brothers own their building and staff the counter themselves whenever possible. The shop only keeps the most commonly needed items and is often out-of-stock. Tweedle Brothers is slow to pay its bills.

low margins some depreciation low salary costs low inventory high accounts payables.

Revenue		
Total revenue	10,000	small
Costs and expenses		
Cost of goods sold	8,500	gross margin: 15%
Depreciation & amortization	500	
Salary and benefits	300	3% of revenue
Total operating expenses	9,300	
Income (loss) from operations	700	
Interest expense	(275)	interest rate: 11%
Income before taxes	425	
Income taxes paid	18	Tax line red herring: $18 \rightarrow R$
Net income	407	
Consolidated Statement of Cook Flows		
Consolidated Statement of Cash Flows		
Cash and cash equivalents: beginning of period Net Income	9,093	
	407 500	
Depreciation & amortization		
Not and flame from an autima activities		
Net cash flows from operating activities Cash and cash equivalents: end of period	907 10,000	
Cash and cash equivalents: end of period		
Cash and cash equivalents: end of period Statement of Assets & Liabilities		
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets	10,000	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents	10,000	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory	10,000 10,000 233	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets	10,000 10,000 233 10,233	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets	10,000 10,000 233 10,233 10,000	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets	10,000 10,000 233 10,233	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities	10,000 10,000 233 10,233 10,000 20,233	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable	10,000 10,000 233 10,233 10,000 20,233 1,900	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt	10,000 10,000 233 10,233 10,000 20,233 1,900 125	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities	10,000 10,000 233 10,233 10,000 20,233 1,900 125 2,025	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 10,000 233 10,233 10,000 20,233 1,900 125 2,025 2,500	
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	10,000 10,000 233 10,233 10,000 20,233 1,900 125 2,025 2,500 4,525	Correct value is 15708; off by 5→ E
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt	10,000 10,000 233 10,233 10,000 20,233 1,900 125 2,025 2,500	Correct value is 15708: off by $5 \rightarrow \mathbf{E}$
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities	10,000 10,000 233 10,233 10,000 20,233 1,900 125 2,025 2,500 4,525	Correct value is 15708: off by $5 \rightarrow \mathbf{E}$ (fixed assets) / depreciation
Cash and cash equivalents: end of period Statement of Assets & Liabilities Assets Cash and cash equivalents Inventory Total current assets Property & fixed assets Total assets Liabilities Accounts payable Current portion of debt Total current liabilities Long-term debt Total liabilities Stockholders' equity	10,000 10,000 233 10,233 10,000 20,233 1,900 125 2,025 2,500 4,525 15,713	