# Duolingo, Inc.

**DUOL**

Nasdaq; business equipment; SIC 7372, Services-Prepackaged Software; CIK 0001562088

**A**

**strongest fifth of 498 graded peers in business equipment**

rank 16 of 498; percentile 3.0; sampling error 2.2 points; lower is stronger

A B C D E

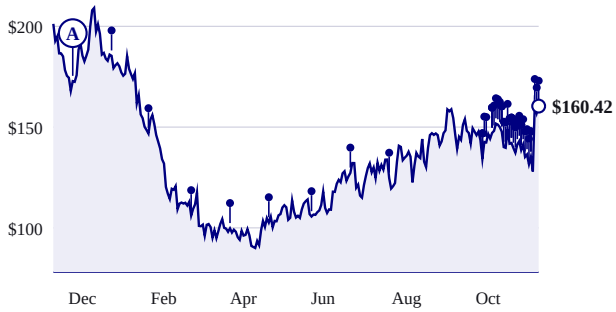
**A, the bull**



## Scoreboard

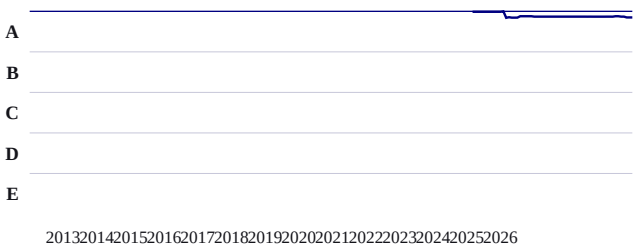
| | |
|---|---|
| **Profitability** | B/C<br>percentile 40.4 |
| **Solvency** | B<br>percentile 27.8 |
| **Growth and financing** | A<br>percentile 7.5 |
| **Reliability** | 0.91 AUC<br>filers with $591M to $2.67B assets; 95% interval 0.88 to 0.94; 160 events, 2020 to 2025 |
| **Peer failure rate** | 1.01% a year<br>Item 1.03 bankruptcies, same asset band, 2012 to 2025 |
| **Size band** | $591M to $2.67B assets<br>total assets $2.0B |
| **Standard universe** | inside<br>revenue above $1M and assets above $10M |
| **Warnings** | none triggered<br>not computable: dilution, distress, fortress balance sheet |
| **Inputs computable** | 8 of 14 |
| **Graded from** | filings received through Feb 27, 2026<br>254 days before the rescan; latest periodic filing 10-Q received Nov 4, 2026 |
| **Last close** | $160.07<br>2026-11-06; market equity $2.7B; no price enters the letter |

**Share price, twelve months to the rescan**




*Split-adjusted close. Each lollipop is a rescan and carries the letter held then.*

**Letter at every rescan, 2012 to 2026**




*Sector percentile at each rescan, stronger toward the top; facts filed by each date only.*

## Business, in the company's words

*opening of Item 1 of the 10-K received Feb 27, 2026*

Our mission is to develop the best education in the world and make it universally available. Although education can open the door to economic opportunity, it is also among the principal sources of inequality: the privileged can get the best education in the world, while those with fewer resources, especially in developing countries, may not be able to get even basic schooling. That is why we started Duolingo. We believe that everyone, regardless of how wealthy they are, should have access to high quality education. And today, the technology necessary to enable this is in the hands of billions of people, in the form of a smartphone.

## The fourteen inputs

*lower percentile is stronger; sleeves and inputs within a sleeve carry equal weight*

| Input | Value | Peer median | Percentile, 0 to 100 | Pct | Peers | Period end |
|---|---|---|---|---|---|---|
| **Profitability, sleeve percentile 40.4** | | | | | | |
| Gross profitability | 37.6% | 28.7% | | 32.1 | 555 | 2025-12-31 |
| Return on invested capital | not computable | 11.4% | | | | |

*one or more required annual facts are missing*

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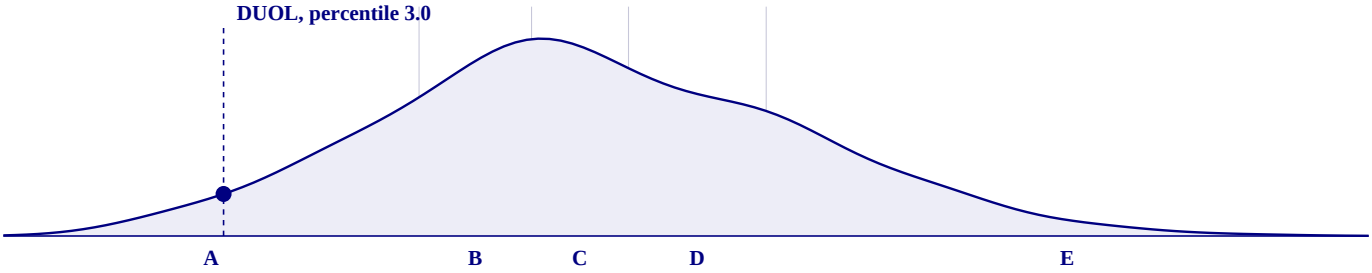
| | | | | | | |
|---|---|---|---|---|---|---|
| Accruals ratio | 1.6% | (7.3%) | | 87.7 | 618 | 2025-12-31 |
| Gross margin stability, five years | 0.4 pts | 2.3 pts | | 1.4 | 426 | 2025-12-31 |
| **Solvency, sleeve percentile 27.8** | | | | | | |
| Twelve-month failure probability | not computable | 0.06% | | | | |
| *liabilities and a nearby cover-page share count are required at 2026-09-30* | | | | | | |
| Altman Z double-prime | 6.04 | 2.18 | | 19.0 | 565 | 2025-12-31 |
| Net debt to EBITDA | not computable | 1.08x | | | | |
| *one or more required annual facts are missing* | | | | | | |
| Interest coverage | not computable | 3.77x | | | | |
| *one or more required annual facts are missing* | | | | | | |
| Current ratio | 2.61x | 2.01x | | 36.6 | 663 | 2025-12-31 |
| **Growth and financing, sleeve percentile 7.5** | | | | | | |
| Revenue growth, three-year compound | 41.1% | 6.4% | | 6.7 | 535 | 2025-12-31 |
| Free cash flow growth, three-year compound | 97.4% | 18.0% | | 8.0 | 265 | 2025-12-31 |
| Reinvestment rate | not computable | 13.5% | | | | |
| *pretax income must exceed the validity floor and imply a 0%-100% tax rate* | | | | | | |
| Asset growth, three years | 38.7% | 5.1% | | 7.9 | 560 | 2025-12-31 |
| Net share issuance, one year | not computable | 0.5% | | | | |
| *two annual share counts are required; found 0* | | | | | | |

## Among 498 peers

*business equipment; letters are fifths of this list*




*Composite score of every graded peer, smoothed; vertical rules are the letter band edges; stronger to the left.*

| Rank | Company | Percentile | Letter | Warnings |
|---|---|---|---|---|
| 11 | Cirrus Logic, Inc. (CRUS) | 2.0 | A | |
| 12 | Doximity, Inc. (DOCS) | 2.2 | A | |
| 13 | Meta Platforms, Inc. (META) | 2.5 | A | |
| 14 | Meta Platforms, Inc. (METAM) | 2.5 | A | |
| 15 | Toast, Inc. (TOST) | 2.8 | A | |
| 16 | Duolingo, Inc. (DUOL) | 3.0 | A | |
| 17 | Nvidia Corp. (NVDA) | 3.2 | A | fortress balance sheet |
| 18 | Gitlab Inc. (GTLB) | 3.4 | A | late filer |
| 19 | Arista Networks, Inc. (ANET) | 3.6 | A | |
| 20 | Five9, Inc. (FIVN) | 3.8 | A | |
| 21 | Optex Systems Holdings Inc. (OPXS) | 4.0 | A | |

## What the price implies

*at the 2026-11-06 close; none of these enters the grade*

| Measure | Value | Peer median | Percentile |
|---|---|---|---|
| Twelve-month price change, skipping the latest month | (47.4%) | (2.0%) | 17 |
| Distance from 52-week high | (23.3%) | (36.5%) | 66 |
| EBIT to enterprise value | not computable | 1.8% | |
| Free cash flow yield | 13.8% | 2.9% | 92 |

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| | | | |
|---|---|---|---|
| Book value to price | 0.55 | 0.28 | 75 |
| Sales to price | 0.39 | 0.33 | 55 |
| Composite equity issuance, five years | not computable | 4.2% | |
| Relative strength against the sector, log excess return | (0.91) | (0.29) | 17 |

## Diagnostics

*shown on every report; none enters the grade*

| Measure | Value |
|---|---|
| **Piotroski F-score None of 9, period end 2025-12-31** | |
| Return on assets above zero | pass |
| Operating cash flow above zero | pass |
| Return on assets improved | pass |
| Operating cash flow exceeds net income | fail |
| Long-term leverage fell | fail |
| Current ratio improved | fail |
| No new shares issued | fail |
| Gross margin improved | fail |
| Asset turnover improved | pass |
| **Cash, filings, liquidity** | |
| Cash and equivalents | $1.2B |
| Operating cash flow, four quarters | $435.8M |
| Months of runway | not finite |
| Days since last periodic filing | 4 (10-Q received Nov 4, 2026) |
| Median daily dollar volume, 63 sessions | $140.1M |

## Sources

*every fact behind the inputs; each row links to its filing index on sec.gov*

| # | Concept | XBRL tag | Value | Period end | Received | Form | Accession |
|---|---|---|---|---|---|---|---|
| 1 | gross profit | us-gaap:GrossProfit | $749.5M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 2 | assets | us-gaap:Assets | $2.0B | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 3 | net income | us-gaap:NetIncomeLoss | $414.1M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 4 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivities | $387.8M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 5 | assets | us-gaap:Assets | $1.3B | 2024-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 6 | revenue | us-gaap:RevenueFromContractWithCustomerExcludingA... | $1.0B | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 7 | gross profit | us-gaap:GrossProfit | $544.4M | 2024-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 8 | revenue | us-gaap:RevenueFromContractWithCustomerExcludingA... | $748.0M | 2024-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 9 | gross profit | us-gaap:GrossProfit | $389.0M | 2023-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 10 | revenue | us-gaap:RevenueFromContractWithCustomerExcludingA... | $531.1M | 2023-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 11 | gross profit | us-gaap:GrossProfit | $270.1M | 2022-12-31 | 2025-02-28 | 10-K | 25-000042 |
| 12 | revenue | us-gaap:RevenueFromContractWithCustomerExcludingA... | $369.5M | 2022-12-31 | 2025-02-28 | 10-K | 25-000042 |
| 13 | gross profit | us-gaap:GrossProfit | $181.6M | 2021-12-31 | 2024-02-29 | 10-K | 24-000050 |
| 14 | revenue | us-gaap:RevenueFromContractWithCustomerExcludingA... | $250.8M | 2021-12-31 | 2024-02-29 | 10-K | 24-000050 |
| 15 | current assets | us-gaap:AssetsCurrent | $1.4B | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 16 | current liabilities | us-gaap:LiabilitiesCurrent | $551.1M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 17 | retained earnings | us-gaap:RetainedEarningsAccumulatedDeficit | $288.2M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 18 | operating income | us-gaap:OperatingIncomeLoss | $135.6M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 19 | book equity | us-gaap:StockholdersEquity | $1.3B | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 20 | liabilities | us-gaap:Liabilities | $645.2M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 21 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $18.1M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 22 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivities | $285.5M | 2024-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 23 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $12.1M | 2024-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 24 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivities | $153.6M | 2023-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 25 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $3.2M | 2023-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 26 | operating cash flow | us-gaap:NetCashProvidedByUsedInOperatingActivities | $53.7M | 2022-12-31 | 2025-02-28 | 10-K | 25-000042 |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 27 | capital expenditure | us-gaap:PaymentsToAcquirePropertyPlantAndEquipment | $5.6M | 2022-12-31 | 2025-02-28 | 10-K | 25-000042 |
| 28 | depreciation amortization | us-gaap:DepreciationDepletionAndAmortization | $14.4M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 29 | pretax income | us-gaap:IncomeLossFromContinuingOperationsBeforeInc... | $182.4M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 30 | income tax | us-gaap:IncomeTaxExpenseBenefit | -$231.7M | 2025-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 31 | current assets | us-gaap:AssetsCurrent | $1.1B | 2024-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 32 | current liabilities | us-gaap:LiabilitiesCurrent | $422.2M | 2024-12-31 | 2026-02-27 | 10-K | 26-012494 |
| 33 | assets | us-gaap:Assets | $954.0M | 2023-12-31 | 2025-02-28 | 10-K | 25-000042 |
| 34 | assets | us-gaap:Assets | $747.3M | 2022-12-31 | 2024-02-29 | 10-K | 24-000050 |

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