

Index

(pound sign), 26, 352
\$ (dollar sign), 28
* (asterisk), 267
< (less than symbol), 273–274
= (equal sign), 273–274
=, +, *, /, 29
=DDB, 91
=IF, 93
=PMT, 107–108
=SLN, 85, 86, 92–93
=SUM, 10, 30, 78, 79
=SYD, 95
> (greater than symbol), 273–274

A

absolute references, 36–38
Access basics, 188–193
 Access capabilities and new features, 187–188
 accounting examples, 194–196
 forms, 211–214
 “help” feature, 193–194
 queries, 209–211
 reports, 214–221
 starting Access, 188
 tables, 199–209
Access files, starting to work with, 188–193
 Access window (graphic), 190
 demonstration, 191–192
 navigation pane, 191
 other Access window items, 191
 Quick Access toolbar, 189
 ribbon, 190–191
 sample form, 196
 sample query, 196
 start menu, 188–189
Access “Help” feature, 193–194
Access “Help” window, 194
Access window (graphic), 190
accounting examples, 16–22
 cash receipts budget, 20
 double declining balance depreciation, 19
 expense chart, 18
 horizontal income statement, 18
 inventory listing, 17
 loan amortization schedule, 20
 predicting future costs, 21–22
 present value analysis, 21
 straight-line depreciation, 19
 trial balance, 17
Accounting Number Format tool, 28
action queries, 286–296. *See also* queries
 delete, 294–295
 parameter, 292–294
 update, 287–292
activities budget, 131–144
 investing and financing, 143–144
 operating, 131–143
aging method, 176
allowance for uncollectible accounts, 174–177
annuity table, 164–166
asterisk (*), 267
AutoFill, 34–35
AutoSum, 30–31

B

balance sheet
 horizontal analysis, 69–70
 vertical analysis, 62–64
bond amortization schedule, 115–116
borders, 360–362

370

bound text box, 311
budget. *See* cash budgeting
Buyers table, modifying, 322

C

calculated control, 317–321
calculations
 computing statistics, 280
 displaying results of, 279–281
case problems. *See* Kelly’s Boutique; Snick’s Board Shop; Wine Depot
cash budgeting, 131–151
 finalizing and formatting, 144–150
 investing and financing activities budgets, 143–144
 operating activities budget, 131–143
 what-if-analysis and goal seeking, 150–151
cash receipts budget, example of, 20
Category Name footer, 356
Category Name header, 357
category table
 creating, 203–204
 print preview, 208
cells
 applying currency format to, 28–29
 formatting with double underline, 29
character data, 265–267
chart layout, modifying, 65
charts
 column, 70–74
 cost behavior, 172
 creating, 15–16
 depreciation expense, 96–100
 depreciation expense charting, 96–100
 expense, 18, 64–67
 line, 97
 modifying layout, 65
check box control, 321–324
 bound to a field, 322–324
Click to add header, 12, 44
column charts, 70–74
 comparing expenses, 71–74
 creating, 71–74
 editing data source, 73
 modifying, 72
 printed income statement with, 74
column width, changing, 26–27, 240–241, 331
columns
 charts, 70–74
 deleting, 38–39
 inserting, 38–39
 width, 26–27, 240–241
combo box control, 314–317
 changing State text box control to, 314–315
 changing tab order, 315–317
 linked to Supplier table, 327–329
 moving controls, 315–317
commands, 6–7, 190
comparison operators, 273–276
component analysis. *See* vertical analysis
compound criteria, 276–279
cost behavior chart, 172
count query, 285–286
Country text box control, changing, 311–314
currency format, applying, 28
current ratio, 78

D

data
 controlling appearance of, 28–30
 editing, 27–28

 entering, 24–26, 204–205
 manipulating, 34–51
database
 changing structure of, 238–249
 column width, 240–241
 creating, 201
 default values, 245–246
 documenting, 253–256
 field size, 239–240
 field’s data type, 241–242
 formats, 246–249
 input masks, 246–249
 new database window, 201
 row height, 240–241
 validation rules, 242–245
Database Documenter, 253
database management system (DBMS), 187
debt-to-equity ratio, 79
declining balance method, 90–91
default values, 245–246
delete queries, 294–295
depreciation, 85–100
 calculating, 85–88, 90–96
 charting depreciation expense, 96–100
 and declining balance method, 90–91
 double declining balance, 19, 92–94
 schedules, 93–94
 straight-line, 19, 96–98
 summary, 89–90
 what-if-analysis, 88–89
 worksheets, 87–88
depreciation calculations, 85–88
 declining balance method, 90–91
 methods, 92–96
 sum-of-the-year’s digits, 94–96
 using Excel’s built-in function, 87–88
design view, 218, 345, 353
Detail section, 356
Documenter window, 253
documenting, forms, 333–334
double declining balance (DDB) depreciation, 92–94
 calculating, 92–94
 depreciation schedules, 93–94
 example of, 19
 schedule, 93–94
double underline, 29

E

editing
 data, 27–28
 data source, 73
 formulas, 32–34
 pie chart axis labels, 66
entering information, 24–32
 changing column width and row height, 26–27
 controlling appearance of data, 28–30
 editing data, 27–28
 entering data, 24–26
 entering formulas and using functions, 30–32
equal sign (=), 273–274
Excel basics
 accounting examples, 16–22
 data and worksheets, 34–35
 entering information, 24–32
 Excel capabilities, 4
 formulas, 32–34
 “help” feature, 15–16
 starting Excel, 4–14
Excel files, starting to work with, 4–14
 demonstration, 7–10

Excel window (graphic), 6
 other Excel window items, 7
 page layout view, 10
 Quick Access toolbar, 5–6
 ribbon, 6–7
 sample workbook, 8
 saving a worksheet, 9
 start menu, 4–5

Excel “Help” feature, 15–16
 Excel “Help” window, 15
 Excel window (graphic), 6
 expenses, charting depreciation expense, 96–100
 expenses chart
 example of, 18
 pie charts, 64–67
 expression, 318

F

F1 function key, 15, 193
 field size, 239–240
 File menu, 189
 File tab, 6
 financial statement analysis, 49–50
 column charts, 70–74
 horizontal analysis, 67–70
 and liquidity, 78–79
 pie charts, 64–67
 and profitability, 76–77
 ratio analysis, 74–80
 and solvency, 79–80
 vertical analysis, 60–64
 first financial ratio, calculating, 75–76
 fixed costs, calculating, 173–174
 footers, 44–45
 form control, 312
 format (Access), creating, 246–249
 format (Excel)
 currency format, 28
 double underline, 29
 Format Painter tool, 28
 formatting, report sections, 360–362
 forms, 211–214, 308–334
 calculated control, 317–321
 check box control, 321–324
 combo box control, 314–317
 creating, 212
 documenting, 333–334
 labels, 308–311
 list box control, 312–314
 modifying, 309–311
 printing, 214, 332
 special combo control, 324–329
 subforms, 329–332
 text box controls, 308–311
 viewing, editing, or adding information, 213–214
 Forms Wizard, 330
 formulas
 editing, 32–34
 entering, 30–34
 printing, 49–50
 viewing, 49–50
 functions
 F1 function key, 15, 193
 IF function, 92
 payment function, 110–111
 Slope function, 173
 SUM, 30–31, 352–356
 sum, 352–356
 using, 30–32
 future costs, predicting, 21–22, 169–174
 future value worksheet and table, 166–168

G

Goal Seek Window, 118
 goal seeking, 117–119
 greater than symbol (>), 273–274

gridlines, 46–48
 gross margin, 77
 grouping, 347–350
 creating report with, 347–348
 multiple field, 348–350
 groups
 Access, 190
 cash budget, 147–150
 Excel, 6
 show/hide, 11

H

headers, 44–45
 Help feature, 15–16
 Help window, 15
 Hi-Lo method analysis, 170–171
 horizontal analysis, 67–70
 on balance sheet, 69–70
 on income statement, 67–69
 horizontal income statement, example of, 17

I

IF function, 92
 income statement
 example of, 18
 horizontal, 18
 horizontal analysis, 67–69
 information, entering, 24–32
 changing column width and row height, 26–27
 controlling appearance of data, 28–30
 editing data, 27–28
 entering data, 24–26
 entering formulas and using functions, 30–32
 Input Mask Wizard, 248
 input masks, 246–249
 inventory cost query, 280
 inventory listing, example of, 17
 inventory turnover ratio, 78
 investing and financing activities budgets, 143–144

K

Kelly’s Boutique, 53–54, 82, 103–104, 126–127, 154–155, 180–181, 224–226, 258–259, 299–301, 336–338, 364–365

L

labels, 24, 308–311
 layout view, 218, 359
 less than symbol (<), 273–274
 liability ratio, 79
 line chart, creating, 97
 lines, 360–362
 liquidity ratios, 75, 78–79
 list box control, 312–314
 loan amortization schedule, example of, 20
 loan and bond amortization, 107–124
 bond amortization schedule, 115–116
 loan amortization schedule, 108–109
 loan calculations, 107–108
 monthly periods, 122–124
 names in worksheet, 111–113
 present value and bonds, 113–115
 scenario manager, 119–121
 what-if-analysis and goal seeking, 117–119
 what-if-analysis and payment function, 110–111
 loan calculations, 107–108
 lookup column
 identifying fields to be included in, 326
 organizing columns in, 326
 Lookup Wizard, 325

M

monthly periods, 122–124
 multiple field grouping, 348–350
 multiple worksheets, working with, 40–44

N

names in worksheets, 111–113
 navigation pane, 191

O

OLE field, 236
 operating activities budget, 131–143
 operating cash payments budget, 141–143
 operating cash payments for purchases, 138–140
 operating cash receipts budget, 134–136
 purchases budget, 136–138
 sales and administrative expenses budget, 140–141
 sales budget, 132–133
 operating cash payments budget, 141–143
 operating cash payments for purchases, 138–140
 operating cash receipts budget, 134–136

P

Page footer, 356
 Page header, 356
 page setup, 46–48
 parameter queries, 292–294
 payment function, 110–111
 percent of sales method, 175–176
 pictures, adding to table, 237–238
 pie charts, 64–67
 creating, 65
 editing axis labels, 66
 of expenses, 64–66
 modifying chart layout, 65
 and vertical analysis income statement, 67
 Pivot Table feature, 13
 pound sign (#), 26, 352
 present value analysis, 21
 present value and bonds, 113–115
 present value worksheet and table, 161–166
 and annuity, 164–165
 proof of lump sum present value, 162–163
 proof of present value calculations, 161
 present/future value analysis, 160–168
 future value worksheet and table, 166–168
 present value worksheet and table, 161–166
 print preview, 46–48
 Print Table Definitions window, 254
 printing, 45–50
 forms, 214, 332
 formulas, 49–50
 print preview and page setup, 46–48
 queries, 211, 296
 reports, 220–221
 tables, 208–209
 workbook, 48
 worksheets, 48–49
 product form, 212
 product query, 211
 product report, 217. *See also* reports
 design view, 218
 layout view, 218
 product table, 201
 adding OLE field to, 236–237
 adding pictures to, 237–238
 adding unit price field and related unit prices to, 287
 creating, 201–202
 modifying, 325–327
 profit margin, 77
 profitability analysis, 75, 76–77
 purchases budget, 136–138

Q

queries, 209–211, 264–296
 action, 286–296
 calculations in, 279–286
 character data in, 265–267

comparison operators in, 273–276
 compound criteria in, 276–279
 count query, 285–286
 creating, 209–211
 creating report with, 343–347
 by design, 267
 editing, 269–272
 inventory cost query, 280
 limiting output in, 276–279
 printing, 211, 296
 sorting in, 273–276
 sum query, 281–285
 wild cards in, 267–269
 Query Design tool, 267–268
 Query Wizard, 267
 Quick Access Toolbar, 6
 Quick Access toolbar, 189
 quick ratio, 78

R

ratio analysis, 74–80
 calculating first financial ratio, 75–76
 liquidity and, 75, 78–79
 profitability and, 75–78
 solvency and, 75
 receivable turnover ratio, 78
 records
 adding, 233–234
 changing, 234
 deleting, 234–235
 referential integrity, 250–256
 relationships, 205–208
 established, 207
 relationships window, 207
 relative references, 36–38
 Report footer, 356
 Report header, 356
 report sections, 359
 borders, 360–362
 counting and summing in, 356–360
 formatting, 360–362
 lines, 360–362
 report view, 359
 Report Wizard, 215, 344–345, 351–352
 reports, 214–221, 343–362
 creating, 215–217, 343–347
 design view, 217, 345, 353
 editing, 217–220
 grouping in, 347–350
 layout view, 359
 modified design view, 346
 modifying, 356–362
 printing, 220–221
 report view, 359
 resized report in print preview, 220
 resizing fields in, 219
 selecting sort order for, 216
 summarizing in, 350–356
 return on owners' investment, 75
 return on total investment, 76–77
 Ribbon, 6–7, 190–191
 commands, 6, 190
 groups, 6, 190
 tabs, 6, 190
 Rosey's Roses, 58–59, 84, 105–106, 129–130,
 158–159, 183–184, 229–231, 262–263, 304–307,
 341–342, 368–369
 row height, changing
 in Access, 240–241
 in Excell, 26–27
 rows, 26–27
 deleting, 38–39

height, 26–27, 240–241
 inserting, 38–39

S

sales and administrative expenses budget, 140–141
 sales budget, 132–133
 saving a worksheet, 9
 scenario manager, 119–121
 screen
 resolution, 10
 size, 10–13
 select queries. *See* queries
 Show/Hide Group, 11
 Simple Query Wizard, 210
 Slope function, 173
 Snick's Board Shop, 56–58, 83–84, 105, 128–129,
 157–158, 182–183, 227–229, 261–262, 303–304,
 339–341, 367–368
 solvency ratios, 75, 79–80
 special combo control, 324–329
 changing Supplier ID field's data type, 325–327
 modifying Product table, 325–327
 starting Access. *See* Access files, starting to work
 with
 starting Excel. *See* Excel files, starting to work with
 State text box control
 changing, 314–315
 property sheet for, 315
 straight-line depreciation, 19
 charting, 96–98
 and DDB depreciation schedule, 93
 subforms, 329–332
 SUM function
 Access, 352–356
 Excel, 30–31
 sum query, 281–282. *See also* queries
 by category, 283
 creating, 281–282
 of quantities by category, 284–285
 summarizing, 350–356
 Report Wizard, 351–352
 sum functions, 352–356
 summary worksheets, 42–43
 sum-of-the-year's digits, 94–96
 Supplier form. *See also* forms
 form view of modified, 311
 increasing size of, 310
 modifying, 308–331
 separating label from control, 310
 viewing, 309
 supplier table
 combo box control linked to, 327–329
 creating, 202–203
 SYD. *See* sum-of-the-year's digits
 system date, 45

T

tables, 199–209, 232–256
 adding OLE field to, 236–237
 adding picture with OLE field, 235–238
 adding pictures to, 237–238
 adding records to, 233–234
 changing records in, 234
 changing structure of database, 238–249
 creating category table, 203–204
 creating product table, 201–202
 creating supplier table, 202–203
 deleting records in, 234–235
 entering data into, 204–205
 printing, 208–209
 referential integrity, 250–256
 relationships, 205–208

tabs, 6, 190
 text box controls, 308–311
 changing to combo box control, 314–315
 changing to list box control, 311–314
 trial balance
 and entering information, 24–26
 example of, 17
 opening, 24–25
 partially completed, 25

U

uncollectible accounts, allowance for, 174–177
 update queries, 287–292. *See also* queries
 adding unit price field and related unit prices to
 product table, 287
 to increase product prices by 5 percent, 288–289
 to update reorder levels, 289–292

V

validation rules, 242–245
 value analysis, present/future, 160–168
 values, 24
 variable cost per day, calculating, 173–174
 vertical analysis, 60–64
 on balance sheet, 62–64
 on income statement, 60–62
 viewing
 additional worksheets in workbook, 13–14
 formulas, 49–50
 information, 213–214
 page layout view of the Excel window, 11
 Supplier form, 309

W

weekly worksheets, 43–44
 What SUP, Inc., 3, 24, 60, 85, 107, 131, 160, 187,
 199, 232, 264, 308, 343
 what-if-analysis, 88–89
 and depreciation, 88–89
 and goal seeking, 117–119
 and goal seeking with cash budget, 150–151
 using payment function, 110–111
 window
 page layout view of, 11
 size, 10
 Wine Depot, 54–56, 83, 104, 127–128, 155–156,
 181–182, 226–227, 259–261, 302–303, 338–339,
 365–367
 workbook
 printing, 48
 sample, 8
 viewing additional worksheets, 13–14
 worksheets
 absolute reference, 36–38
 columns, 38–39
 depreciation, 87–88
 depreciation summary, 89–90
 footers, 44–45
 headers, 44–45
 names in, 111–113
 print preview and page setup of, 46–48
 printing, 48–49
 printing and viewing formulas in, 49–50
 rows, 38–39
 saving, 9
 structuring, 34–51
 summary, 42–43
 viewing additional, 13–14
 weekly, 43–44
 working with multiple, 40–44