

Index

Note to the reader: Throughout this index **boldfaced** page numbers indicate primary discussions of a topic. *Italicized* page numbers indicate illustrations.

Symbols and Numbers

(hash)
 in column too narrow for number, 18
 for number in custom format, 259
 #DIV/0! error value, 275, 280
 #N/A (Not available) error, 209, 210, 275
 nesting functions to remove, 211
 #NAME? error, 183, 275, 280, 283
 #NULL! error, 275
 #NUM! error, 275
 #REF! error, 90, 275, 282
 #VALUE! error, 163, 275
 \$ (dollar sign)
 for absolute ranges, 80
 for absolute reference, 194–195, 195
 * (asterisk), as Find and Replace wildcard, 140
 / (slash), for menu key for Excel, 413
 ? (question mark), as Find and Replace wildcard, 140
 " (quotation marks), for text in formulas, 182
 @ (at sign), for text in custom format, 259
 [(square bracket), in search to find external links, 246–247
 ` (grave accent), for formula display, 189
 { } (curly brackets), for array-entered formulas (AFs), 224
 ~ (tilde), in Find and Replace, 141
 ' (apostrophe), for Visual Basic comments, 381
 = (equal sign), to start formula, 162
 (AutoSum) button (Standard toolbar), 164
 3D references, 240
 creating, 241
 dynamic consolidation sheet with, 238–239

A

A4 letter paper size, 416
 absolute cell references, 196
 dollar sign (\$) for, 194–195, 195
 in macros, 381
 named ranges for, 197
 absolute macro, 373, 375
 recording and running, 378–379
 Access (Microsoft), 215
 Access (Microsoft) files, 343, 345–346
 importing worksheet to, 365–366
 Accounting cell format, 53, 54

active cell, 9, 11
 conditional formatting, 265–267
 add-ins, 291–294
 Add-Ins dialog box, 291
 Add Scenario dialog box, 288
 addition, 161
 with SUM function, 164, 164–165
 “advanced Excel user,” 180
 advanced filters, 217–220
 realistic use, 219–220
 AFs (array-entered formulas), 224–226
 Align buttons (Formatting toolbar), 47
 alignment of cells, 55–57
 Allow Cell Drag and Drop setting, 411
 Always Display Items button (PivotTable toolbar), 252
 Analysis Toolpak, 169, 285, 292
 Analysis Toolpak - VBA, 292
 And filters, 218–219
 AND function, 183, 184, 184–185
 nesting in IF statement, 187–188
 Angle Clockwise button (Chart toolbar), 83
 Angle Counterclockwise button (Chart toolbar), 83
 apostrophe ('), for Visual Basic comments, 381
 arguments
 in formulas, 161
 for functions, optional vs. mandatory, 177
 Arial font, 48
 arithmetic
 formulas for, 160–166
 with operators, 161–163
 array-entered formulas (AFs), 224–226
 Arrow button (Drawing toolbar), 65, 67
 Arrow Style button (Drawing toolbar), 66
 Ask To Update Automatic Links setting, 411
 Assign Macro dialog box, 386
 asterisk (*), as Find and Replace wildcard, 140
 at sign (@), for text in custom format, 259
 Attach Toolbars dialog box, 402, 402
 author of comment, 153
 Auto Fill options, 40, 40
 Auto Outline command, 231–234
 AutoComplete, 142, 143–144
 AutoCorrect, 135–137
 dialog box, 136
 AutoFill, 142, 144–146
 custom lists for, 145
 AutoFilters
 buttons for columns, 215
 organizing data with, 102–105

460 AutoFormats – columns in worksheets

AutoFormats, 62–64
 automatic page breaks, 123
 automatic recovery of crashed workbooks, 416, 416–417
 AutoShapes button (Drawing toolbar), 65, 67
 AutoSum (Σ) button (Standard toolbar), 164
 AVERAGE function, 166, 167
 axis of chart
 modifying, 85
 secondary, in combination chart, 91

B

background color, 59
 conditional formatting to change, 265
 background image for worksheet, 64–65
 backups of files, removing password from, 334
 bitmap font, 48
 Bold button (Formatting toolbar), 47
 Book1 file, 3
 bookmarks, named cells as, 202–203
 book.xlt file
 for default workbook, 420
 deleting, 423
 Borders button (Formatting toolbar), 47
 borders of cells, formatting, 51, 57–59
 broken links, 244–246
 Button Editor, 406, 406
 buttons, displaying hidden, 399
 By Row, By Column button (Chart toolbar), 83

C

calculating formulas, automatic vs. manual, 409
 capturing screen image, Print Screen key for, 347
 car loan, down payment calculation, 176–178
 cell address, 8
 cell management, 12
 cell references, 194–197, 195. *See also* absolute
 cell references; relative cell reference
 default for 3D references, 240–241
 in formulas, 161
 Cells dialog box, Number tab, 167
 for dates, 172
 cells in worksheet, 8
 data management, 12–17
 adding data, 13–15
 clearing contents, 16
 displayed value vs. actual content, 18
 deleting, 16, 16
 formatting, 51–55
 alignment, 55–57
 borders and patterns, 57–59
 for dates and times, 171–172

locked, 326
 moving to specific, 10–11
 named, 197. *See also* named ranges
 as bookmarks, 202–203
 selecting
 contiguous and noncontiguous ranges, 32–36
 inclusion in macro, 375
 unlocking for editing, 326
 characters, recognized as text, 259–260
 Chart menu, 86
 > Source Data, 89
 Chart Objects button (Chart toolbar), 83
 Chart Type button (Chart toolbar), 83
 Chart Wizard button (PivotTable toolbar), 252, 256
 charts, 78–91
 adding to Source Data range, 89–91
 adding trendline to, 285–286
 Chart toolbar for editing, 83–85
 from Chart Wizard, 78–83, 87
 column chart, 79, 79–81, 80, 81
 pie charts, 82, 82–83
 combination, 91
 customizing, 86–88
 editing data for, 88–91
 exam essentials, 95
 finding external links in, 247
 options for, 413–414, 414
 vs. pivot charts, 256
 clearing cell content, 16
 clip art. *See also* graphics
 adding to worksheets, 70
 Clip Art task pane, 6, 70, 310
 Clipboard, 29, 30, 347, 348–349
 clearing contents, 39
 Office Clipboard, 36–38
 removing items from, 38
 Clipboard task pane, 7
 Close button (Print Preview), 114
 close match, from lookup functions, 213
 closing toolbars, 5
 collapsible outline, 231–234, 233
 color
 background, 59
 conditional formatting to change, 265
 based on other cell conditions, 267–268
 conditional formatting to change, 265
 custom formats to add, 260
 for error indicator, 417
 of fonts, 48
 options for, 414, 415
 for worksheet tabs, 23–24
 Color button (Picture toolbar), 71, 73
 column chart, from Chart Wizard, 79, 79–81, 80, 81
 COLUMN function, 213
 columns in worksheets, 8
 absolute vs. relative references, 195, 195–196
 adding and deleting, 20–21

- AutoFilter buttons for, 215
 - blank columns and contiguous ranges, 99
 - changing size, 17–20
 - with menus, 19–20
 - with mouse, 18–19
 - converting text to, 150–152, 151
 - hiding, 21–22
 - outline groups, 233
 - pasting widths, 33
 - repeating when printing, 115–116
 - selection for pivot table, 249
 - combination charts, 91
 - comma-separated values (CSV) file, 343–344
 - Comma Style button (Formatting toolbar), 47
 - command button for macros, 373
 - assigning macro to, 385–386
 - commands
 - displaying hidden, 399
 - lost, 397
 - comments
 - displaying, 409
 - printing, 154–155
 - in shared workbook, 299
 - for supporting information, 152–155
 - in Visual Basic, 381
 - Compare Side By Side toolbar, 108, 108–109
 - Compress Pictures button (Picture toolbar), 72, 73
 - Compress Pictures dialog box, 73, 73
 - computer lockup, from macros, 387
 - CONCATENATE function, 222
 - conditional formatting, 258, 265–268
 - based on active cell conditions, 265–267
 - based on other cell conditions, 267–268
 - Conditional Formatting dialog box, 265, 265–266
 - Conditional Sum Wizard, 292
 - consistency in data, 137
 - automated features for, 142–146
 - Consolidate dialog box, 237, 237
 - consolidating data, 236, 236–240
 - dynamic consolidation with 3D references, 238–239
 - left column labels when, 239
 - static consolidation sheet, 237
 - constants
 - Name box drop-down and, 205
 - named, 197, 204–205
 - contact information for workbook creator, 325
 - contiguous ranges of cells
 - blank rows or columns and, 99
 - selecting, 32–34
 - Control Panel (Windows)
 - Folder Options, 341
 - Regional and Language Options, 170–171
 - converters, 340–341
 - converting
 - initials to full name, 135
 - text to columns, 150–152, 151
 - copies, printing multiple, 126–128
 - copy and paste, 29–31
 - data into worksheet, 347–352
 - vs. embedding, 354
 - copying
 - data out of worksheet, 357–360
 - macros, 382–384
 - worksheets in workbook, 25
 - copyright, 324
 - COUNT function, 166, 167
 - COUNTA function, 166, 167
 - COUNTIF function, 166, 169, 225
 - country-specific data display, 415
 - crashed workbooks, automatic recovery, 416, 416–417
 - Create Microsoft Office Outlook Task button (Reviewing toolbar), 299
 - Create Names dialog box, 199, 199
 - creator of workbook, contact information in template properties, 325
 - criteria for named ranges, 218
 - criteria range, 217
 - Crop button (Picture toolbar), 71, 73
 - cropping, vs. resizing, 73
 - CSV files, 343
 - opening, 343–344
 - curly brackets ({}), for array-entered formulas (AFs), 224
 - Currency cell format, 52, 54
 - Currency Style button (Formatting toolbar), 47
 - current date, function for, 174
 - cursor movement after Enter key press, 411
 - custom AutoFilters, 104–105
 - Custom button (smiley face), 389–390, 390
 - Custom cell format, 53
 - custom dictionary, adding word, 135
 - custom formats, 258–264
 - date and time display, 264–266
 - text and number display, 259–262
 - custom lists, 144–146
 - for AutoFill, 145
 - time savings from, 142
 - custom views, 112–113
 - Custom Views dialog box, 112
 - CUSTOM.DIC file, 418
 - Customize dialog box, 398
 - Commands tab, 389, 404, 404–407
 - Options tab, 3, 398–400, 399
 - Toolbars tab, 401, 401–404
 - cut and paste, 31–32
-
- D**
- Dash Style button (Drawing toolbar), 66
 - data
 - consolidating, 236, 236–240
 - dynamic consolidation with 3D references, 238–239

462 data in – digital signatures

- left column labels when, 239
- static consolidation sheet, 237
- linking, 240–247
 - broken links, 244–246
 - linked data in formulas, 242–244
 - phantom links, 246–247
 - simple links to external data, 240–242
- selection for pivot table, 249
- sharing, 294–301
- summarizing, 230–236
 - outlining, 231–234
 - subtotals and outlining together, 234–236
- Data Connection Wizard, 355, 355
- data entry
- of statistical functions, 166–168
- for time, 172
- data in, 341–356
 - alternative methods, 346–356
 - importing data into worksheet, 354–356
 - inserting objects, 352–354
 - moving and copying data, 347–352
 - opening different file types, 341–346
 - CSV files, 343–344
 - DOC files, 344
 - HTM files, 345
 - JPEG files, 345
 - MDB file, 345–346
 - PPT file, 346
 - WK4 file, 346
 - XML file, 346
 - data management, 12. *See also* organizing data
 - copy and paste, 29–31
 - cut and paste, 31–32
- data map, 367
- Data menu, 86
 - Consolidate, 237
 - Filter
 - Advanced Filter, 218
 - AutoFilter, 103
 - Show All, 104
 - Group And Outline, ➤ Auto Outline, 233
 - Import External Data, 354
 - Import Data, 354, 355–356
 - List, ➤ Create List, 216
 - Sort, 101
 - Subtotals, 231
 - Validation, 315, 317
 - XML, ➤ Import, 356
- data out, 356–367
 - importing and inserting worksheets into other file types, 365–366
 - moving and copying data, 357–360
 - saving and editing in different formats, 360–365
 - HTML files, 362–365
 - text files, 360–362
 - saving workbook structure with XML, 366–367
- Data Table button (Chart toolbar), 83
- data validation, 306
 - in templates, 315–320
- Data Validation dialog box
 - Error Alert tab, 315–316, 317
 - Input Message tab, 315, 316
 - Settings tab, 315, 316, 317
- database, for named ranges, 218
- database functions, 215–222
- date
 - field code for, 119
 - headers and footers for printing, 117
- date and time functions, 170–174
- Date cell format, 53
- dates and times
 - calculating, 172–174
 - custom formats for, 262–264
 - functions for current, 174
- DAVERAGE function, 220
- days of week
 - AutoFill for, 144
 - formatting to display, 262
- DCOUNTA function, 221
- Decrease Decimal button (Formatting toolbar), 47
- Decrease Indent button (Formatting toolbar), 47
- Default File Location, 412
- default printer, 124
- default settings in Excel, 397
- default workbooks, 420–422
 - restoring original, 422–423
- default worksheets, 420, 422
 - restoring original, 422–423
- Define Name dialog box, 199, 199, 204, 204
- definitions, finding, 149
- Delete All Ink Annotations button (Reviewing toolbar), 299
- Delete Comment button (Reviewing toolbar), 299
- deleting, 90
 - book.xlt file, 423
 - buttons from toolbars, 404–405
 - cells in worksheet, 16, 16
 - comments, 154
 - custom lists, 146
 - items from Office Clipboard, 38
 - rows or columns, 20–21
 - scenarios, 290
 - sheet.xlt file, 423
 - space, 152
 - template folders, 322
 - templates, 321
 - worksheets, 26–27
- dependents of cell, 280, 280
- DGET function, 220
- Diagram Gallery, 75, 75
- diagrams, adding and editing in worksheet, 75–78
- dictionary. *See* Spelling tool
- digital signatures, 419

- directional movement of text, 416
 - directories. *See* folders
 - #DIV/0! error value, 275, 280
 - division, 161
 - DMAX function, 221
 - DMIN function, 220
 - DOC files, 343
 - opening, 344
 - docking toolbars, 5
 - Document Updates task pane, 7
 - dollar sign (\$)
 - for absolute ranges, 80
 - for absolute reference, 194–195, 195
 - domino effect for error fixes, 281
 - drag and drop
 - Allow Cell Drag and Drop setting, 411
 - for bringing data in, 350–351
 - to get data out of Excel, 359–360
 - with mouse, 38–41
 - dragging
 - formulas, 181, 182
 - to select range for function argument, 170
 - Draw button (Drawing toolbar), 65
 - Drawing toolbar, 65–69
 - Insert Picture from File button, 71
 - modifying shapes with, 68–69
 - drop-down lists
 - adding to template cells, 315
 - for Formatting toolbar buttons, 47
 - DSUM function, 220
 - duplicates, advanced filters to remove, 220
 - dynamic consolidation sheet, 236, 236
 - with 3D references, 238–239
 - dynamic data, in headers and footers, 117, 119–120
-
- E**
- Edit Directly In Cell setting, 411
 - Edit Links dialog box, phantom links and, 246–247
 - Edit menu
 - Clear, 21
 - Copy, 30
 - Cut, 31
 - Delete
 - Entire Column, 152
 - Entire Row, 90
 - Delete Sheet, 26
 - Fill
 - Across Worksheets, 184
 - Series, 145
 - Find, 12, 246, 279
 - Go To, 12, 278
 - Links, 294
 - grayed out, 246
 - Office Clipboard, 36
 - Paste, 30
 - Paste Special, 294
 - Column Widths, 33
 - Transpose, 214
 - Replace, 138
 - Edit mode, Esc key in, 14
 - Edit Scenario dialog box, 288, 288
 - editing
 - comments, 154
 - data for charts, 88–91
 - macros, 379–382
 - named ranges, 201–202
 - templates, 307
 - existing, 308–311
 - editing tools, 132–152
 - AutoCorrect, 135–137, 136
 - automated features for accuracy and consistency, 142–146
 - AutoComplete and Pick from Drop-Down List, 143–144
 - AutoFill and custom lists, 144–146
 - converting text to columns, 150–152, 151
 - exam essentials, 157
 - Find and Replace, 137–142, 138
 - for formatting, 141–142
 - with wildcards, 140–141
 - Research task pane, 146–150
 - finding definitions, 149
 - finding synonyms, 147–149
 - Internet encyclopedia, 149–150
 - translating text, 150
 - Spelling tool, 132–135, 133
 - email address, as hyperlink, 156
 - embedded objects, 351
 - employees, and file control, 334
 - empty cell, "" for, 182
 - encyclopedia
 - Encarta Encyclopedia, 150
 - Internet, 146–147, 149–150
 - End key, 12
 - End Review button (Reviewing toolbar), 299
 - Enter key
 - cursor movement after, 411
 - for data entry, 14
 - to move between cells, 13
 - Enter mode, Esc key in, 14
 - equal sign (=), to start formula, 162
 - Error Checking dialog box, 277, 277
 - error checking, options for, 417, 417
 - Error Checking Rules list, 278
 - error messages, 198
 - “formula in this worksheet contains one or more invalid references,” 90
 - from named range, 197
 - “Error: Source not found” message, 245
 - errors. *See* troubleshooting formula errors
 - Euro Currency tools, 293

464 Evaluate Formula dialog box – Format menu

Evaluate Formula dialog box, 284, 284

Excel

- add-ins, 291–294
 - “advanced user,” 180
 - interface. *See* user interface
 - opening, 2
 - startup, add-ins and, 292

Excel file. *See* workbooks

expandable/collapsible outline, 231–234, 233

exponentiation, 162

Extensible Markup Language (XML), 340. *See also* XML file

external data, simple links to, 240–242

F

field codes

- for dynamic data, 118–119
- in templates, 314–315

Field Settings button (PivotTable toolbar), 252

fields, 215

file extensions, displaying, 341

File menu

- Add Clips to Organizer, 70
- Close, 29
- Exit, 29
- New, 93, 309
 - and templates, 307
- Open, 93
 - and data format conversion, 341
- Page Setup, 116, 154, 190
- Print, 124
- Print Area
 - Clear Print Area, 126
 - Set Print Area, 125
- Properties, 324
- Save As, 27, 28
 - for templates, 312
- Save As Web Page, 363, 363
- Save Workspace, 111

file protection, 323

file types, 343

- opening different, 341–346
- saving files in different, 360–365

filenames

- field code for, 119
- headers and footers for printing, 117

files, saving in different formats, 360–365

Fill Color button (Drawing toolbar), 66

Fill Color button (Formatting toolbar), 47

fill color for cells, 52

fill effects, 84

Fill Effects dialog box, 87

fill handle, 145, 145

- on cell, 39, 39

filters, 102

- advanced, 217–220
 - realistic use, 219–220
- AutoFilters, 102–105

financial functions, 174–179

Find and Replace, 137–142, 138

- for formatting, 141–142
- to search for errors, 276, 276, 279
- with wildcards, 140–141

finding

- definitions, 149
- formula errors, 276–280
- links in workbook, 246–247
- synonyms, 147–149

first cell with data, moving to, 10

Fixed Decimal Places setting, 410

flat databases, 215

floating toolbar, 5

from Formatting toolbar submenus, 47, 48

folders

- creating
 - in Save As dialog box, 28
 - for templates, 321–322
- creating for templates, 321–322
- default for saving files, 412
- XLSTART, for default files, 420

Font button (Formatting toolbar), 47

Font Color button (Drawing toolbar), 66

Font Color button (Formatting toolbar), 47

font size, 48

Font Size button (Formatting toolbar), 47

font style, 48

font type, 48

fonts, 48–51

- for charts, 85
- Find and Replace for, 141–142
- Format Cells dialog box to change, 50–51
- Formatting toolbar to change, 49–50

Footer dialog box, 120

footers, 117–121

Format Axis dialog box, 85

Format button (Chart toolbar), 83

Format Cells dialog box, 46

- Alignment tab, 55–57
- Border tab, 57–58
- choices, 52–55
- Custom tab, 258, 259
- and date and time display, 170
- Font tab, 50–51
- Number tab, 53–54, 54, 258
- Patterns tab, 57, 59
- Protection tab, 327, 328

Format Chart Area dialog box, 85

Format Data Series dialog box, 86

Format dialog box, Borders tab, 266

Format menu

- Cells, 46, 50, 167, 172, 173
- Column
 - Autofit, 20
 - Hide, 22, 318
 - Standard Width, 20
 - Unhide, 22
- Conditional Formatting, 265
- Object, 68

- Picture, 74
- Row
 - Autofit, 20
 - Height, 20
 - Hide, 22
 - Unhide, 22
- Selected Data Series, 257
- Sheet
 - Background, 64
 - Unhide, 318, 330
 - grayed out options, 330
 - for modifying shapes, 68–69
- Format Picture button (Picture toolbar), 72
- Format Picture dialog box, 74
- Format Report button (PivotTable toolbar), 252
- formatting
 - conditional, 258, 265–268
 - custom, 258–264
 - exam essentials, 94–95
 - Find and Replace for, 141–142
 - for new rows or columns, 20
 - new template, 311–313
 - shortcuts, 59–62
 - Format Painter, 61–62
 - styles, 60–61
 - and templates, 92–94
 - worksheets, 62–65
 - with AutoFormats, 62–64
 - backgrounds, 64–65
 - Formatting toolbar, 3, 4, 46–47, 154
 - for cell formatting, 51–53
 - to change font formats, 49–50
- forms, for adding, changing and finding data in list, 216–217
- Formula Auditing toolbar, 5, 277
- Error Checking button, 279
- Evaluate Formula button, 281
- Trace Dependents button, 280, 280, 282
- Trace Error button, 283
- Trace Precedents button, 280, 280, 282
- Watch Window button, 281
- Formula bar, 3, 4, 18
 - Insert Function (fx) button, 169
- “formula in this worksheet contains one or more invalid references” error message, 90
- formulas
 - = (equal sign) to start, 162
 - automatic vs. manual calculation, 409
 - basic arithmetic, 160–166
 - constants to update, 204–205
 - date and time formats in, 171–172
 - displaying, 189–190
 - vs. functions, 160
 - hiding, 327
 - linked data in, 242–244
 - named ranges in, 200–201
 - order of precedence in, 161–162
 - parentheses in, 165–166
 - printing, 189, 189–190

- quotation marks (") for text in, 182
- relative cell reference in, 181, 182
- in templates, 314–315
- troubleshooting errors, 274–284
 - evaluating and correcting, 280–284
 - exam essentials, 302
 - locating errors, 276–280
- Fourier Analysis, 292
- Fraction cell format, 53
- freezing panes, 106–107
- Function Arguments box, 169, 170
- for database functions, 220
- for PMT function, 176
- functions
 - addition, with SUM function, 164, 164–165
 - database, 215–222
 - date and time, 170–174
 - exam essentials, 227
 - financial, 174–179
 - vs. formulas, 160
 - information, 223–224
 - logical, 180–188
 - lookup, 206–213
 - Math & Trig, 223
 - optional vs. mandatory arguments, 177
 - statistical, 166–170
 - text, 222
- FV (future value) function, 178–179

G

- General cell format, 52
- Getting Help task pane, 6
- global macros, Personal Macro Workbook to store, 387–389, 420
- Go To dialog box, 12
- Go To Special dialog box, 276, 276, 278
- goal, calculating payments needed to reach, 178–179
- Goal Seek, 285–287. *See also* Solver Add-In dialog box, 287
- gradient fill, 84
- grammar, 132
- graphical user interface. *See* user interface
- graphics, 65–78. *See also* charts
 - adding and editing in worksheet, 69–74
 - clip art, 70
 - pictures, 71–74
 - diagrams and organization charts, 75–78
- Drawing toolbar, 65–69
- exam essentials, 94–95
- importing files, 345
- inserting in worksheet, 352
- grave accent (´), for formula display, 189
- green triangle in cell, 275
- gridlines, 9
- grouping worksheets, 127
 - for Find and Replace, 139–140

H

hash (#), for number in custom format, 259
 headers and footers, 117–121
 field codes, 118–119
 headings, locking, 106–107
 Help button (Print Preview), 114
 Help menu, 13
 Help task pane, 6
 hidden format, 327
 hidden information, workbook protection
 for, 330
 Hide Comments button (Reviewing toolbar), 298
 Hide Detail/Show Detail button (PivotTable
 toolbar), 252
 Hide Field List button (PivotTable toolbar), 252
 Hide Ink Annotations/Delete All Ink Annotations
 button (Reviewing toolbar), 299
 hiding
 rows or columns, 21–22
 worksheets, 26–27
 High setting for macro security, 335
 Highlight Changes dialog box, 297, 297
 histogram, from Analysis ToolPak, 292
 History temporary worksheet, 301
 HLOOKUP function, 212–213
 close match from, 213
 horizontal alignment of cells, 56
 horizontal page break, 123
 hours, formatting to display, 262
 HTM files, 343
 opening, 345
 HTML (Hypertext Markup Language), 340
 for copy and pasting into email, 357, 358
 saving data as, 362–365
 HYPERLINK function, 213, 214
 hyperlinks, for supporting information, 152,
 155–156

I

I beam, 15
 IF statement, 181–183
 multiple nested conditions and multiple return
 values, 186–187
 nesting AND function in, 187–188
 importing data. *See also* data in
 into worksheet, 354–356
 Include Hidden Items in Totals button (Pivot-
 Table toolbar), 252
 Increase/Decrease Decimal button (Formatting
 toolbar), 47

Increase/Decrease Indent button (Formatting
 toolbar), 47
 index, name list as, 202–203
 INFO function, 223–224
 information functions, 223–224
 initials, converting to full name, 135
 Insert Clip Art button (Drawing toolbar), 65
 Insert Diagram or Organization Chart button
 (Drawing toolbar), 65
 Insert dialog box, 25
 Insert Function (fx) button (Formula bar), 169
 Insert Function utility, 166, 168, 168–170
 Insert menu
 > Cut Cells, 32
 > Diagram, 77
 > Edit Comment, 154
 > Module, 383
 > Name, 197, 198
 > Define, 204
 > Paste, 202
 > Object, 352
 > Page Break, 123
 > Picture > Clip Art, 310
 > Row, 348
 > Worksheet, 25
 Insert menu (Office programs) > Object, 366
 Insert Picture from File button (Drawing toolbar),
 66, 71
 Insert WordArt button (Drawing toolbar), 65
 inserting
 comments, 153
 objects in worksheets, 352–354
 workbooks in other Office programs, 366
 worksheets in workbook, 25
 insertion point, 15
 INT function, 223
 interface. *See* user interface
 Internet Assistant VBA, 293
 Internet encyclopedia, 146–147, 149–150
 Internet Explorer, saving file as web page for,
 362–365
 invoice, VLOOKUP function to fill in, 207–209
 ISBLANK function, 223
 ISERR function, 223
 ISERROR function, 223
 ISLOGICAL function, 223
 ISNA function, 209, 211, 223
 Italic button (Formatting toolbar), 47
 Iteration settings for Excel, 410

J

JPEG files, 343
 opening, 345

K

keyboard shortcuts, 13
 keywords, for clip art, 71

L

labels, 12, 13
 repeating when printing, 115–116
 landscape orientation, 114, 115, 116
 language, for Spelling tool, 418
 Large Icons for toolbar, 400
 last cell with data, moving to, 10–11
 leading zeros, displaying, 258
 leap years, adjusting for, 174
 left column labels when consolidating data, 239
 Legend button (Chart toolbar), 83, 85
 Less Brightness button (Picture toolbar), 71
 Less Contrast button (Picture toolbar), 71
 Line button (Drawing toolbar), 65
 Line Color button (Drawing toolbar), 66, 67
 Line Style button (Drawing toolbar), 66
 Line Style button (Picture toolbar), 72, 73
 linking data, 240–247
 broken links, 244–246
 linked data in formulas, 242–244
 phantom links, 246–247
 settings for automatic update, 411
 simple links to external data, 240–242
 List Font Names in Their Font, 400
 list ranges, 215–217
 lists
 custom, 144–146
 forms for adding, changing and finding data in, 216–217
 selecting data with Advanced Filters, 217–220
 locked areas, in templates, 93
 locked cells, 326
 locked-up computer, from macros, 387
 logical functions, 180–188
 Lookup functions, 205, 206–213
 HLOOKUP function, 212–213
 nesting, 209–211
 in templates, 314
 VLOOKUP function, 205, 206, 206–209
 lookup value, 205
 Lookup Wizard, 293
 Lotus 1-2-3 files, 343, 346, 412
 Low setting for macro security, 336
 LOWER function, 222

M

Macro dialog box, 374
 Run button, 373
 macro recording toolbar, Relative Reference button, 375, 375–376
 macro security, 323, 334–336, 373
 macros, 372
 availability in all workbooks, 386–391
 assigning to toolbars and menus, 389–391
 Personal Macro Workbook for storing, 387–389
 computer lockup from, 387
 to control opening workbook, 384
 exam essentials, 392
 in one workbook, 372–386
 assigning to command buttons, 385–386
 copying, 382–384
 editing, 379–382
 recording, 374–379
 shortcut key for, 377
 mail merges in Word, worksheet for, 366
 manual page breaks, 123
 margins, 121–122
 Margins button (Print Preview), 114
 Math & Trig functions, 223
 MAX function, 166, 167
 MDB file, 343
 opening, 345–346
 Media Gallery, 69
 Medium setting for macro security, 335
 memory, clearing Excel of recent commands or buttons, 400
 menu bar, 3, 4
 menu key for Microsoft Office Excel, slash (/)
 for, 413
 menus
 animations, 400
 assigning macros to commands, 373
 customizing, 397–407
 Merge and Center button (Formatting toolbar), 47
 problems from, 52, 55
 merging copies of workbooks, 294
 Microsoft Access, 215
 Microsoft Access files, 343, 345–346
 importing worksheet to, 365–366
 Microsoft Graph, 351, 352
 Microsoft website, downloading templates from, 308
 Microsoft Word mail merges, worksheet for, 366
 MIN function, 166, 167
 minutes, formatting to display, 262
 module content pane (Visual Basic Editor), 380
 MONTH function, 174

468 months of year – organizing data

months of year
 AutoFill for, 144
 formatting to display, 262
 More Brightness button (Picture toolbar), 71
 More Contrast button (Picture toolbar), 71, 73
 mouse
 to drag and drop to fill data, 38–41
 for resizing rows and columns, 18–19
 mouse pointers, 38–41, 39
 Move Or Copy dialog box, 25
 Move Selection After Enter Direction setting, 411
 moving
 data into worksheet, 347–352
 data out of worksheet, 357–360
 toolbars, 5
 between computers, 403
 worksheets in workbook, 24–25
 multiplication, 161

N

#N/A (Not available) error, 209, 210, 275
 nesting functions to remove, 211
 Name box
 for cell address, 8, 9
 constants and, 205
 typing address to move to specific cell, 12
 #NAME? error, 183, 275, 280
 named cells, 197
 as bookmarks, 202–203
 named constants, 204–205
 named ranges, 197–205
 for consolidating data, 238
 database or criteria for, 218
 editing, 201–202
 in formulas, 200–201
 names
 of fonts, 48
 for worksheet tabs, 23–24
 navigation, 9–12
 exam essentials, 42
 negative numbers, 54, 54
 custom formats for, 260
 nested functions
 to control Lookup function results, 209–211
 in IF statement, 186–187
 New (Add) Comment button (Reviewing toolbar), 298, 300
 New Workbook dialog box, 92
 New Workbook task pane, 7, 309
 templates section, 92
 Next button (Print Preview), 114
 noncontiguous ranges of cells, selecting, 32, 34–36
 NOT function, 183, 185–186
 Notepad, for text files, 360

#NULL! error, 275
 #NUM! error, 275
 Number cell format, 52
 numbers
 AutoFill for, 144
 custom formats for, 259–262
 narrow column and, 18

O

Object dialog box
 Create From File tab, 353–354
 Create New tab, 352–353, 353
 Object Linking and Embedding (OLE), 351
 objects in worksheets
 displaying placeholders, 409
 inserting, 352–354
 OCR (Optical Character Recognition), 347
 Office Clipboard, 36–38
 removing items from, 38
 Office dictionary, 133
 OLE (Object Linking and Embedding), 351
 Open dialog box, default display of Excel files, 342, 342
 opening Excel, 2
 operators in formulas, 161–163
 Optical Character Recognition (OCR), 347
 option button in active cell, 20
 Options dialog box, 396, 407–419
 Calculations tab, 409–410, 410
 Chart tab, 413–414, 414
 Color tab, 414, 415
 Custom Lists tab, 145–146, 146
 Edit tab, 242, 410–411, 411
 Error Checking tab, 417, 417
 General tab, 4, 411–412, 412
 User Name, 153, 295
 International tab, 415, 415–416
 Save tab, 416, 416–417
 Security tab, 419, 419
 Spelling tab, 133, 418, 418
 Transition tab, 412–413, 413
 View tab, 408, 408–409
 Or filters, 218–219
 OR function, 183, 185–186
 order for worksheet tabs, arranging logically, 24–26
 order of precedence in formulas, 161–162
 organization charts, adding and editing in worksheet, 75–78
 organizing data, 98–105
 with AutoFilters, 102–105
 exam essentials, 129
 sorting, 99–102
 based on multiple columns, 102
 based on single column, 100–101

views for, 105–113
 creating workspaces, 110–112
 custom views, 112–113
 freezing panes, 106–107
 multiple windows for viewing, 107–110
 splitting worksheets, 107
 orientation of page, 114–115
 outlining, 231–234
 and Subtotal command, 234–236
 Oval button (Drawing toolbar), 65, 66
 ownership of files, 324

P

Page Break Preview, 114, 115–116
 page breaks, 122–124
 page layout, 113–124
 exam essentials, 129
 headers and footers, 117–121
 margins, 121–122
 orientation, 114–115
 page breaks, 122–124
 repeating rows and columns, 115–116
 page numbers
 field code for, 118
 headers and footers for printing, 117
 page selection for pivot table, 248
 Page Setup dialog box, 113, 116
 Header/Footer tab, 117
 Margins tab, 122
 Sheet tab, 190, 284
 pages, printing specific, 126–128
 paper size, A4 letter, 416
 parent function, 187
 parentheses
 impact on formula results, 165–166
 and order of precedence, 162
 passwords
 for file protection, 332–333
 removing, 334
 for templates, 308, 310
 for worksheets, 323
 Paste List feature, 203, 203
 Paste Special dialog box, 33
 pasting. *See also* copy and paste
 multiple blocks of data, 36–38
 other programs' options for, 359
 range of cells, 32–33
 with same data, 39
 path for file, field code for, 119
 patterns
 for cells, 57–59
 for fill effect, 84
 PDF files, inserting in worksheet, 352
 Percent Style button (Formatting toolbar), 47
 Percentage cell format, 53
 personal information, removing from file
 properties, 419
 Personal Macro Workbook, 386
 copying macros to, 389
 recording and running macro in, 387–388
 saving changes, 388
 XLSTART folder for storing, 420
 personal.xls file. *See* Personal Macro Workbook
 phantom links, 246–247
 Pick from Drop-Down List, 142, 143–144
 Picture toolbar, 70
 buttons and functions, 71–72
 for editing pictures, 72–74
 pictures. *See also* graphics
 adding to worksheets, 71–74
 field code for, 119
 for fill effect, 84
 pie charts, 78
 from Chart Wizard, 82, 82–83
 pivot charts, 247, 256–258
 pivot tables
 to create pivot chart, 256–257
 creating, 249–250
 editing and manipulating display, 253–255,
 254, 255
 external links in, 247
 tools, 251, 251–256
 PivotTable button (PivotTable toolbar), 252
 PivotTable Field list, 251, 251–252
 PivotTable report, 248, 248–256
 PivotTable Wizard for, 248–249, 249, 250
 PivotTable toolbar, 251, 251–252
 plagiarism, 347
 plain text
 copying data to, 357
 saving file as, 360–362
 PMT function, 175–178
 Function Arguments box for, 176
 points for font size, 48
 portrait orientation, 114, 115, 116
 PowerPoint (PPT) files, 343
 drag and dropping data from, 350–351
 inserting slides in worksheet, 352, 354
 opening, 346
 precedents for formula, 280, 280
 Precision As Displayed setting, 410
 predictions, scenarios to compare, 288–291
 Previous button (Print Preview), 114
 Previous/Next button (Reviewing toolbar), 298
 primary sort, 101
 Print dialog box, 124
 Print Preview, 114
 and comments, 154
 for formulas, 190
 margins and header/footer sizes in, 121
 Print Screen key, to capture screen image, 347
 Printer Properties dialog box, 126

470 printing – saving

printing, 124–128
 background image and, 64
 comments, 154–155
 formulas, 189, 189–190
 multiple copies and specific pages, 126–128
 multiple worksheets, 127–128
 page layout, 113–124
 headers and footers, 117–121
 margins, 121–122
 orientation, 114–115
 page breaks, 122–124
 repeating rows and columns, 115–116
 scaling by percentages, 124–125
 selections, 125–126
 suppressing errors when, 284
 Privacy Options, 419
 .prn file, 343
 programs, copying information between, 351
 projects pane (Visual Basic Editor), 380
 prompt, to update links, 242
 PROPER function, 222
 Properties dialog box for workbooks, 324, 325
 Summary tab, 324
 properties of workbooks, 324–326
 properties pane (Visual Basic Editor), 380
 Protect Sheet dialog box, 310, 328
 Protect Workbook dialog box, 330
 publishing web pages with interactivity, 362, 362, 363–365

Q

queries. *See* advanced filters
 question mark (?), as Find and Replace
 wildcard, 140
 quotation marks ("), for text in formulas, 182

R

radial diagram, 75–76, 76
 Random Number Generator, 292
 range of cells, 32
 Ready mode, changing to Edit mode, 15
 Rearrange Commands dialog box, 406, 406–407
 recalculations, Iteration settings and, 410
 Recently Used File List setting, 411
 Record Macro dialog box, 376
 recording macros, 374–379
 records, 215
 recovery, automatic, of crashed workbooks, 416, 416–417
 Rectangle button (Drawing toolbar), 65
 #REF! error, 90, 275
 Reference functions, 205, 213–214
 Refresh Data button (PivotTable toolbar), 252

Registry (Windows), settings for buttons and commands, 397
 Regression, 292
 relational databases, 215
 relative cell reference, 194–195, 195
 in formulas, 181, 182
 in macros, 381
 relative macro, 373
 recording and running, 376–377
 repeating rows and columns when printing, 115–116
 Reply with Changes button (Reviewing toolbar), 299
 Research Options dialog box, 148
 Research task pane, 6, 146–150, 147
 finding definitions, 149
 finding synonyms, 147–149
 Internet encyclopedia, 149–150
 translating text, 150
 Reset Picture button (Picture toolbar), 72
 resizing
 vs. cropping, 73
 toolbars, 5
 return values, multiple, from IF statement, 186–187
 Reviewing toolbar, 298
 comment recognition, 300
 Rich Text, for copy and pasting into email, 357, 358
 Rotate Left 90° button (Picture toolbar), 72
 rotating shapes and text, 68
 ROUND function, 223
 ROUNDDOWN function, 223
 ROUNDUP function, 223
 rows in worksheets, 8
 absolute vs. relative references, 195, 195–196
 adding and deleting, 20–21
 blank rows and contiguous ranges, 99
 changing size, 17–20
 with menus, 19–20
 with mouse, 18–19
 freezing, 106–107
 hiding, 21–22
 outline groups, 233
 repeating when printing, 115–116
 selection for pivot table, 249

S

sans serif font, 48
 Save As dialog box, 27, 28
 and templates, 307, 312
 Templates folder, 321, 321
 Tools dropdown list, 331, 331, 332
 Save Options dialog box, 332, 334
 saving
 default folder for, 412

- files in different formats, 360–365
- workbooks, 27–29
 - structure with XML, 366–367
 - workspace, 111
- scaling by percentages when printing, 124–125
- scanner, OCR software with, 347
- Scenario Manager, 288, 290, 290
- Scenario Summary dialog box, 290–291, 291
- scenario summary report, 285
- scenarios, 285
 - adding to worksheets, 290
 - to compare predictions, 288–291
 - exam essentials, 303
- schema for XML, 367
- Scientific cell format, 53
- screen image, capturing with Print Screen
 - key, 347
- ScreenTips On Toolbars, 400
- scrollbars, 8, 8
- Search Results task pane, 6
- secondary axis in combination chart, 91
- secondary sort, 101
- seconds, formatting to display, 263
- security
 - exam essentials, 337
 - file protection, 331–334
 - for macros, 323, 334–336, 373
 - options for, 419, 419
 - workbook protection, 329–331
 - worksheet protection, 326–331
- Security dialog box for macros, Security Level
 - tab, 335, 335
- Select Data Source dialog box, 354
- selecting
 - cells in worksheet
 - with hyperlink, 156
 - inclusion in macro, 375
 - contiguous and noncontiguous ranges of cells, 32–36
 - data from list with Advanced Filters, 217–220
 - for printing, 125–126
- Send to Mail Recipient button (Reviewing
 - toolbar), 299
- serial number, for time of day, 171
- Series dialog box, 145
- serif font, 48
- Set Transparent Color button (Picture toolbar), 72
- Setup button (Print Preview), 114
- Shadow and 3D Styles button (Drawing
 - toolbar), 66
- shapes
 - creating, 66–68
 - modifying, 68–69
- Share Workbook dialog box
 - Advanced tab, 297
 - Editing tab, 296
- shared network drive, for storing workbooks, 294
- shared workbooks
 - comments in, 299, 300
 - creating, 296–298
 - displaying changes, 298
 - exam essentials, 303
 - limitations, 294–295
 - reviewing changes, 298–299
- Shared Workspace task pane, 7
- sheets, 7. *See also* worksheets
- sheet.xlt file, 422
 - deleting, 423
- shortcut key, for macros, 377
- Show Detail button (PivotTable toolbar), 252
- Show/Hide Comments button (Reviewing
 - toolbar), 298
- Show/Hide Field List button (PivotTable
 - toolbar), 252
- size
 - of toolbars, 5
 - of worksheet rows and columns, changing, 17–20
- slash (/), for menu key for Microsoft Office Excel, 413
- smiley face (Custom) button, 389–390, 390
- Solver Add-In, 285, 293, 293–294
- Sort dialog box, 101, 101, 102
- sorting
 - based on multiple columns, 102
 - based on single column, 100–101
 - for Subtotal command, 234
 - website information in Excel, 357
- Source Data range, for charts, 89–91
- space
 - AutoCorrect to add between words, 135
 - deleting, 152
- Special cell format, 53
- Spelling dialog box, 133, 133
- Spelling tool, 132–135, 133
 - language for, 418
- splitting worksheets, 107
- square bracket ([), in search to find external links, 246–247
- Standard toolbar, 3, 4
 - AutoSum (Σ) button, 164
 - Copy button, 30
 - Cut button, 31
 - Format Painter, 61
 - Insert Hyperlink button, 156
 - New button, 92
 - Print button, 124
 - Research button, 147
 - Sort Ascending button, 100
 - Sort Descending button, 100
 - Spelling button, 133
 - Undo button, 14–15
 - limitations, 23
 - Zoom button, 106
- Start menu \blacktriangleright All Programs \blacktriangleright Microsoft Office \blacktriangleright
 - Microsoft Office Excel 2003, 2
- static consolidation sheet, 236, 237
- static data in headers and footers, 117–118

472 statistical functions – Tools menu

statistical functions, 166–170
 entering directly into cells, 166–168
 Stop Recording toolbar, 375
 stopping, macro recording, 375
 strikethrough, 48, 50
 Style dialog box, 60, 60
 styles, 60–61
 subfolders, for Templates folder, 321
 subordinates in organization chart, creating, 77
 subscript, 48
 Subtotal command
 dialog box, 235
 and outlining, 234–236
 SUBTOTAL function, 231
 help for, 231
 subtraction, 161
 SUM function, 164, 164–165
 SUMIF function, 225
 summarizing data, 230–236
 vs. consolidating, 236
 outlining, 231–234
 subtotals and outlining together, 234–236
 superscript, 48, 50
 synonyms, finding, 147–149
 system resources, for menu animations, 400

T

Tab key, to move between cells, 13
 tab scrolling buttons, 7, 8
 table array, 194
 task pane, 5–7, 6
 Taskbar (Windows), shortcut menu, 350, 350–351
 Template Help task pane, 6
 templates, 92–94, 306–323
 adding data using, 93–94
 attaching toolbars, 401
 creating, 311–320
 data validation, 315–320
 formatting, 311–313
 formulas and field codes, 314–315
 deleting, 321
 editing, 308–311
 exam essentials, 337
 finding invalid data and removing validation, 319–320
 how they work, 307
 locating, 307
 organizing, 321–323
 saving, 312
 Templates dialog box, 308
 creating tabs in, 321
 Spreadsheet Solutions tab, 308, 309
 text
 characters recognized as, 259–260
 conditional formatting to change color, 265

 converting to columns, 150–152
 custom formats for, 259–262
 in formulas, quotation marks (") for, 182
 narrow column and, 17
 rotating shape with, 68
 Text cell format, 53
 text files, 343
 saving data as, 360–362
 text functions, 222
 Text Import Wizard, 344, 344, 361
 Text To Columns Wizard, 150–152, 151
 Textbox button (Drawing toolbar), 65, 67
 texture
 for chart background, 257
 as fill effect, 84
 thesaurus, 146–147
 tilde (~), in Find and Replace, 141
 tiling windows, 349
 Time cell format, 53
 time, field code for, 119
 time functions. *See* date and time functions
 time span
 formatting to display, 263
 vs. times of day, 171
 Times New Roman font, 48
 Title bar, 3, 4
 TODAY function, 174
 in templates, 315
 toolbars, 3–5
 assigning macros to buttons, 373
 attaching to template, 401
 closing, 5
 creating, 401–404
 customizing, 397–407
 deleting, 407
 deleting buttons from, 404–405
 docking, 5
 editing buttons, 404–407
 lost, 397
 moving and resizing, 5
 turning off and on, 401
 Tools menu
 ➤ Add-Ins, 169, 291
 ➤ AutoCorrect Options, 136
 ➤ Compare and Merge Workbooks, 294
 ➤ Customize, 3, 389, 398
 ➤ Data Analysis, 292
 ➤ Euro Conversion, 293
 ➤ Goal Seek, 286
 ➤ Macro
 ➤ Macros, 373, 380, 383
 ➤ Record New Macro, 376, 378
 ➤ Security, 335
 ➤ Visual Basic Editor, 379
 ➤ Options, 407. *See also* Options dialog box
 ➤ Protection
 ➤ Protect Sheet, 310, 327
 ➤ Protect Workbook, 330
 ➤ Unprotect Sheet, 309, 328

- Scenarios, 288
- Share Workbook, 296
- Spelling, 133
- Track Changes
 - Accept or Reject Changes, 301
 - Highlight Changes, 300, 301
- tooltips, 4
- displaying, 400
- for PivotTable toolbar, 252
- Track Changes feature, 296, 297, 297
- translating text, 150
- translation utility, 146–147
- TRANSPOSE function, 213–214
- trendlines, 285–287
- troubleshooting formula errors, 274–284
 - evaluating and correcting, 280–284
 - locating errors, 276–280
 - suppressing when printing, 284
- TRUE argument, as range lookup, 213
- true type font, 48
- txt file, 343

U

- Underline button (Formatting toolbar), 47
- Undo button (Standard toolbar), 14–15
 - for AutoCorrect, 136
 - limitations, 23
- Update File button (Reviewing toolbar), 299
- UPPER function, 222
- user interface, 2–9, 4
 - default bars, 3–5
 - exam essentials, 42
 - task pane, 5–7
- users, and template changes, 323

V

- validating data with templates, 315–320
- validation rules, 306
- #VALUE! error, 163, 275
- values in cells, 12, 13
- VBA (Visual Basic for Applications), 292
- vertical alignment of cells, 56
- vertical page break, 122–123
- Very High setting for macro security, 335
- View menu
 - Header And Footer, 421
 - Page Break Preview, 123
 - Task Pane, 5, 7
 - Toolbars, 3, 375
 - Chart, 83
 - Customize, 398
 - Drawing, 65

W

- Watch Window, 281, 283
- websites
 - Microsoft, downloading templates from, 308
 - publishing Excel data to, 293
- what-if analysis, 285–294
 - exam essentials, 303
- wildcards, Find and Replace with, 140–141
- Window menu, 108
 - Arrange, 108, 243
 - Compare Side by Side, 108
- windows
 - opening new for each workbook, 409
 - tiling, 349
- Windows (Microsoft)
 - folder management control, 322
 - hidden file extensions, 341
 - Registry settings for buttons and commands, 397
 - Taskbar, shortcut menu, 350, 350–351
- WK4 file, 343
 - opening, 346
- Word document, 343
 - inserting in worksheet, 352
- Word Mail Merge, Excel data for, 99
- Word (Microsoft) mail merges, worksheet
 - for, 366
- “workbook contains links to other data sources”
 - warning box, 242
- “workbook contains one or more links that cannot be updated” warning, 245
- workbooks
 - components, 7

474 workgroup – Zoom button

- copying colors between, 414
- data entry and editing, 12–29
- default, 420–422
 - restoring original, 422–423
- name for new, 3
- navigating, 9–10
- opening
 - macro to control, 384
 - in new window, 409
- properties, 324–326
- publishing as web pages, 362, 363–365
- saving, 27–29
 - structure with XML, 366–367
- security and protection, 323–336
- viewing multiple, 107–110
- workgroup, 295
- worksheets, 7. *See also* columns in worksheets; rows in worksheets
 - adding graphics, 69–74
 - clip art, 70
 - diagrams and organization charts, 75–78
 - pictures, 71–74
 - components, 8–9
 - data editing, 15
 - data entry, 13–15
 - default, 422
 - restoring original, 422–423
 - deleting and hiding, 26–27
 - formatting, 62–65
 - with AutoFormats, 62–64
 - backgrounds, 64–65
 - grouping, 127
 - inserting objects, 352–354
 - navigating, 10–12
 - organizing, 22–27
 - printing multiple, 127–128
 - protection, 323, 326–331

- splitting, 107
- tabs, 8
 - arranging in logical order, 24–26
 - naming and color-coding, 23–24
- workspaces
 - creating, 110–112
 - uses for, 112
- WYSIWYG fonts, 48

X

- .xls file extension, 306
- XLSTART folder, for default files, 420
- .xlt file extension, 306
- XML (Extensible Markup Language), 340
- XML file, 343
 - importing, 356
 - opening, 346
 - saving workbook as, 364
 - saving workbook structure as, 366–367
- XML Source task pane, 7
- .xsd file extension, 367

Y

- years, formatting to display, 262

Z

- zeros, displaying leading, 258
- Zoom button (Print Preview), 114
- Zoom button (Standard toolbar), 106