Symbols

#DIV/0! error message, 130
#REF! error message
  avoiding display of, 90–91
  displaying in name lists, 28, 30
* wildcard character, 194
? wildcard character, 195
~ search character, 195

A

absolute references. See also formulas
  identifying with dollar signs, 87
  in mixed references, 88–89
  relative versus, 87
  usefulness of, 88
add-ins
  file format for, 37
  Inquire, 132–134
  XDATE, 111–112
Add-Watch dialog box, 83
Advanced Text Import Settings dialog box, 154
age calculations, 108–109
AGGREGATE function, 125–127
alignment
  adjusting by indenting, 48–49
  defaults for text and numbers, 48
  font substitution, avoiding, 72–74
analysis tools, 132
apostrophes
  including in worksheet names, 93
  preceding credit card numbers with, 168
appearance. See also formatting
  fonts, adjusting with, 75
  ranges, converting into tables, 205–206
  shading, adjusting with, 62–64
array formulas
  curly braces, using with, 2
  lookups, using with, 103
arrays
  AGGREGATE function, replacing with, 125
  concatenation, using with, 103
  curly braces, using with, 2
formulas, entering properly, 114, 123
IFERROR function, using with, 124
limitations of, 207
lists, generating with, 27–28
multicell formulas, creating, 174–175
nonblank cells, finding with, 117
range references, converting into, 258–259
asterisk (*) wildcard character, 194
audio
  proofing data with, 196
  text-to-speech feature, enabling, 196
  voice qualities, adjusting with, 197
AutoComplete, 211
AutoCorrect, propagating formulas with, 210
AutoFill
  date series, creating with, 152
  filling range with, 151
  lists, creating for, 153
  predicting values with, 152–153
  table of data types, 153
autofit, issues with merged cells, 45
AutoRecover
  autosave intervals, setting, 21
  recovering unsaved workbooks with, 20–21
  saved versions of current workbooks, using, 20
autosave
  AutoRecover, using with, 20
  intervals, setting, 21
AutoSum button (alt+=), 85–86
AVERAGE function, inserting with AutoSum button, 85
AVERAGEIF function, 220

B

bar charts, creating directly in ranges
  condition formatting data bars, 260–261
  formulas, using to display, 261–263
  with repeating characters, 261
bullet lists
  additional columns, creating with, 60–61
  characters for, creating, 60
  numbered lists, using for, 60–61
  SmartArt, creating with, 61
  wrap-text formatting, using with, 60
Chart Tools
aligning charts, 243–244
Hidden and Empty Cell Settings dialog box
dealing with missing data, 250
forcing hidden data use, 251
managing as graphic objects, 244
managing missing chart data with, 250
templates, applying with, 246
charts
aligning multiples of, 243–244
combination, 247–249
customization of
combination charts, 248–249
size alignment of multiples, 243–244
styles and colors, modifying, 241
data labels from ranges, applying, 268–269
dialog boxes for
Change Chart Type, 246
Hidden and Empty Cell Settings, 250–251
Insert Chart, 239, 246–250
Recommended Charts, 239
Save Chart Template, 245
filtering data in, 242
freezing
by converting into arrays, 258–259
by converting into static pictures, 257–258
graphic objects, managing as, 244
hidden data management, 251
high-low lines, uses for, 252
interactive, creating, 233
linking to cells, 255–256
locating all merged types, 45
locking, 135–137
merging, 43–47
mixing text and values in, 70–71
mouse versus keyboard selection, 147
pivot tables, controlling within, 222–223
Protection option, using with, 53
references, making unchangeable, 140
restricting formula entries, 155–156
restrictions on protected worksheets, 137
selecting current region, 148
selecting noncontiguous, 148
shading rows and columns of, 62–64
text length limitations in HYPERLINK functions, 98
themes, using with, 32
unchangeable references, creating, 140
Watch Window, monitoring with, 83–84
Change Chart Type dialog box, 246
Change PivotTable Data Source dialog box, 231
chart sheets, 30
cloud computing
advantages of, 22
disadvantages of, 22–23
Excel Web App versus desktop version, 22
synching files with, 22
colors
  in charts, modifying, 241–242
  custom themes, selecting for, 35
  customizing for themes, 36
  highlighting list changes with, 163–164, 166
  identifying errors with, 171
column charts, 264–265
COLUMN function, using for column shading, 62–64
column names
  in formulas, 208
  formulas, creating with, 210
  naming with dialog box, 102
  structured references, creating with, 208
columns
  automatically adjusting with tables, 207
  averaging with pivot tables, 230–231
  calculated, 207, 212–213
  centering text across, 47
  concatenating for lookups, 103–104
  copying and pasting data into, 128
  credit cards, specifying Text number format for, 168–169
dialog boxes for
  Convert Text to Columns Wizard, 129
  Text to Columns, 154
duplicates of, identifying, 167
filters, creating in tables, 207
Format Painter, copying formatting with, 67
frequency tabulations, creating for, 224–226
hidden data management, 251
last value in, finding, 116–117
missing data management, 250
naming, 102, 207
propagating formulas automatically in, 210, 212
running totals, creating in, 190–191
selecting entire, 149
shading options for, 62–64
sorting contents in, 84
subtotals, inserting with pivot tables, 220–221
transposing with rows, 173–175
vertical ranges, converting to tables, 142–143
width of, changing
  with autofit, 45
  manually, 84
COM Add-Ins dialog box, 132
combination charts
  creating, 247
  customizing, 248–249
  inserting preconfigured charts, 247–248
  unavailable from Recommended Charts, 240
comma separated values (CSV) files
  importing text with, 188–189
  issues with credit card numbers, 169
commands
  listing of, 11–12
  Quick Access toolbar, 10–12
comparing files, 133–134
compatibility
  DATEIF function for Lotus 1-2-3, 109
  IFERROR versus ISERROR functions in, 91
  limitations of, 38
  sharing issues, 161, 207
  updating fonts on old worksheets, 75–77
  zip and XML files, 37
Compatibility Checker, 38
concatenation
  Flash Fill, using instead of, 179
  for HYPERLINK function, 98
  lookup tables, creating with, 104
text and numbers, displaying with, 70
conditional formatting
  alternate row shading, creating with, 62–63
  checkerboard shading, creating with, 63
  comparing ranges with, 162–164
  Conditional Formatting dialog box, 163, 165–167
duplicates, finding with, 165–167
  excess spaces, identifying with, 171–172
  shading groups of rows with, 64
  themes, using with, 32
  Conditional Formatting dialog box, 163, 165–167
CONVERT function
  arguments required for, 121–122
  measurement systems converted, 121
Convert Text to Columns Wizard dialog box, 129
converting measurements
  overview, 121–122
tables of functions, 122
Copy Picture dialog box, 257
copying data
  importing from PDF files, 198–201
  ranges of formulas, 128–129
COUNT function, inserting with AutoSum button, 85
COUNTA function, 116
COUNTIF function, 164
Create Names from Selection dialog box, 102
Create New Theme Fonts dialog box, 35
Create PDF/XPS button, 24
Create PivotTable dialog box
  frequency tabulations, creating, 224–225
  multiple groupings, 230–231
  overview, 220
credit card numbers
  importing as text for accuracy, 169
  importing with CSV files, 169, 189
  manual entry of, 168
  storing accurately, 168
CSS (cascading style sheets), 186
CSV (comma separated values) files
  importing text with, 188–189
  issues with credit card numbers, 169
curly braces, 2
cursor movement, restricting to Input cells, 155–156
custom number formats
  codes for, 55–56
  data testing format strings, 55
  dates and times, codes for, 57
  displaying text and numbers with, 71
  Format Cells dialog box, creating with, 54, 58
    overview, 54
  scale values, 58–59
  specifying codes for, 55
Custom Views
  forbidden within tables, 207
  named worksheet views, creating with, 8
Customize Ribbon tab
  accessing by right-click, 15
  expanding lists on, 15
  hiding built-in tabs with, 16
  renaming tabs and groups with, 16
dashboards
  slicers, creating with, 232
  timelines, using with, 234–235
data. See also cells; filters; formulas; lookups
  AutoFill, predicting values with, 152–153
  concatenation of, 70, 103–104, 179
  copying and pasting, 128
  copying from Protected View documents, 18
  custom number formats, testing with, 55
  default alignment of, 48
dialog boxes for
  Change PivotTable Data Source, 231
  Data Validation, 160–161
  External Data Range, 188–189
  Hidden and Empty Cell Settings, 250–251
  Import Data, 185–186
  Select Data Source, 250
displaying in pivot table charts, 226
filtering
  with Chart Filters, 242
  with labels, 232
Flash Fill
  using to combine, 179–180
  using to extract, 176–178
hidden data management, 251
importing from web pages, 184–185
indenting in cells, 48–49
keyboard selection of, 148
lists, comparing, 162–164
merged cells, issues with, 45
missing data management, 250
pivot table requirements, 214
proofing with audio, 196
quick queries for, 185–186
referencing in pivot tables with outside formulas, 222
SUBTOTAL versus TOTAL functions, 86
Table references, using to access, 211
Text to Columns Wizard, managing with, 129
trailing minus signs, fixing, 154
transforming
  with temporary formulas, 158–159
  vertical records into tables, 142–143
  without formulas, 157–158
unchangeable cell references, creating, 140
Data Label Range dialog box, 268
data labels
  adjusting location of, 269
  applying in charts from ranges, 268–269
  Format Data Labels, using with, 268
  linking to cells, 255
Data Validation dialog box, 160–161
database tables
  normalized versus non-normalized, 214–216
  overview, 214
DATEIF function
  calculating ages with, 108–109
  code list for, 109
  overview, 109
dates
  AutoFill
    creating series with, 152
    predicting values with, 152–153
  CONVERT function, using with, 121–122
  custom formats of, codes for, 57
  holidays, calculating, 105–107
  live calendars, displaying, 114–115
  pre-1900
    Google Spreadsheet, using for, 113
    issues with, 110–111
    XDATE functions, using for, 111–112
  searching options, 195
diagram tools, 133
dialog boxes. See also specific dialog boxes by name formulas, editing in, 141 modeless, advantages of, 131 toggling point mode and edit mode, 141 display, changing alternative themes, 7 hiding elements from view, 9 hiding Ribbon display, 8 hiding status bar, 9 View tab options, 8 #DIV/0! error message, 130 dollar signs, identifying absolute references with, 87 DOLLARDE function, 118 DOLLARFR function, 118 Drawing Tools modifying text boxes with, 47 sizing charts with, 243 drop-down lists Data Validation dialog box, creating with, 160 in named range for sharing, 161 duplicates COUNTIF function, using to find, 164–167 finding in ranges with conditional formatting, 165 identifying entire columns, 167 identifying entire rows, 166 removing, 167 EDIT DWORD dialog box, 73 Edit Name dialog box, 95 e-mail creating address lists with Flash Fill, 179 sending from Excel, 96–98 ENCODEURL function encoding non-alphanumeric characters with, 96 examples of, 97–98 Error Checking dialog box, 131 error messages #DIV/0!, 130 #REF!, 28, 30 AGGREGATE function, handling with, 125–127 avoiding displays of, 90–91 overriding with named cells, 256 error-checking cautions regarding, 131 cells, identifying errors in, 130 dialog boxes for Error Checking, 131 Ignore Error option, 131 New Formatting Rule, 171 excess spaces, identifying, 171 EVEN function, 118 exact values, finding with implicit intersections, 102 with intersection formulas, 101–102 with VLOOKUP and HLOOKUP, 99–100 Excel Options dialog box AutoRecover, controlling with, 21 commands on, 11 Customize Ribbon tab, accessing, 14–15 enabling error-checking in, 130–131 hiding display elements with, 9 limitations of, 12 overview, 11–12 Quick Access toolbar, customizing with, 10–13 Ribbon, customizing with, 14–15 Excel Web App, 22–23 External Data Range dialog box, 188–189 filenames available formats, 37 creating list with macro, 27–28 macro-enabled file extensions, 28, 31 files Compare Files command, 133–134 Compatibility Checker use, 38 compatibility issues with, 37–38 copying data from Protected View, 18 Import Text file dialog box, 188–189 macro-enabled extensions, 31 MHTML format advantages of, 26 saving in, 25 Office Compatibility Pack, installing, 37–38 Page Layout view, using before saving, 24 PDF format, saving in, 24–25 printing from Protected View, 18 Protected View management, 17–19 protecting integrity of, 24–26 read-only, sending as, 26 web browsers, creating in, 22 XML, reading with zip utilities, 37 XPS format, saving in, 24 FILES function, 27 fill handles, enabling, 151 filling autofill, 151–153 cells with color, 166, 171 Flash Fill, 176–180 reporting gaps with, 192–193 shading, 62–64 styles for, 50
Index

filters
chart, 242
displaying multiple values with, 233
filter buttons for, 207
hiding rows
using AGGREGATE function, 126
using SUBTOTAL function, 126, 213
with images, 279
labels for, 232
merged cell issues, 45
overview, 213
pivot tables, sorting with, 226
with Quick Access Toolbar, 11
with slicers, 207, 232–233
SUBTOTAL versus SUM functions with, 86
in tables versus ranges, 206–207
timelines with, 234–235
Find and Replace dialog box
inexact searches with, 194–195
merged cells, finding, 45–46
searching for values with, 195
unwanted characters, removing with, 195
updating fonts in formatted cells with, 76
wildcard characters, 194–195
Find Format dialog box, 45
FIND function, 28–29
Flash Fill
case of text, changing with, 176
combining data with, 179–180
domain names, extracting from URLs with, 178
extracting names with, 177–178
overview, 176
potential problems with, 178
training pattern recognition in, 176–180
FLOOR.MATH function, 118–119
fonts
Create New Theme Fonts dialog box, 35
for custom themes, 35
legibility, adjusting with, 75
substitution with registry editing, disabling, 72–74
updating in formatted cells, 76
updating on old worksheets, 75–77
footers
inserting images into, 68
printer options for, specifying, 40
watermarks, creating with, 68–69
Format Cells dialog box
alternate row shading, displaying, 62–63
centering text across columns, 47
codes for, specifying, 55
custom number formats, creating, 54–58
formatting new styles, 52
indentation, 48–49
style attributes, setting, 50
superscript and subscript, applying, 65
Format Comment dialog box, 276
Format Painter
basics, 66
copying from range of cells, 67
removing all formatting with, 67
Format Picture dialog box, 257
formatting. See also custom number formats
combining four series, 254
dialog boxes for
Find Format, 45
Format Cells, 47–49, 52, 54–58, 62–65
Format Comment, 276
Format Picture, 257
fonts on old worksheets, updating, 75–77
Format Painter, 66–67
individual worksheets, updating, 75–77
Quick Analysis feature, 190
ranges versus tables, 206–207
superscript and subscript, applying, 65
Formatting (R) command, 67
Formula AutoComplete feature, 211
formula bar, resizing to edit worksheets, 81–82
Formula view mode, toggling, 128
formulas. See also absolute references; mixed references
accidental overwrites of, preventing, 155–156
automatically adjusting through tables, 211
AutoSum button, inserting with, 85–86
bar charts, creating with, 261–263
column names, creating with, 210
ingredients in dialog boxes, 141
enabling error-checking for, 130–131
exactly copying ranges of, 128–129
filenames, generating list of, 27–28
hiding, 135–137
INDIRECT function, building flexibility with, 138–140
intellisense drop-down list for, 95
locking, 135–137
named, 27–31
versus pivot tables, 218–221
in pivot tables, 222–223
propagating automatically in tables, 207, 210, 212
ranges, converting to tables with, 142–143
referencing cells in pivot tables, 222–223
restrictions on protected worksheets, 137
sheet names, generating list of, 28–31
table references with, 211
tables, adding to, 209–210
transforming data with, 157–158
updating by linking cells to charts, 255–256
volatile for automatic updates, making, 30
XLM functions in, 27–31
frequency tabulations, using pivot tables for, 224–226
fx button, 85

G

gauge charts, 266–267
GETPIVOTDATA function, 222–223
GET.WORKBOOK function, 29
global (workbook-level) names, 92
Go To dialog box (F5), 95
Go To Special dialog box
  filling report gaps with, 192–193
  hiding and locking cells with, 135
Google Spreadsheet, 113
Group mode, 150
Grouping dialog box, 227–229
  creating automatically, 228–229
  creating with pivot tables, 227
  grouping charts, 270–272
  grouping dissimilar objects, 271–272
  ungrouping charts, 271

H

headers
  column widths, changing with, 84
  inserting images into, 68
  keyboard selection of, 148
  with merged cells, 45
  printer options for, specifying, 40
  sorting columns with, 84
  themes, customizing with, 35
  unmerging cells with, 46
  watermarks, creating with, 68–69
Hidden and Empty Cell Settings dialog box, 250–251
hiding
  cells
    formula, 135
    security, 137
    unhiding nonformula, 136
  filtering chart data, 242
  slices of pie charts, 267
HLOOKUP function, 99
holiday calculations, 105–107
HYPERLINK function
  chart sheets, limitation with, 30
  navigating to web pages with, 96
  sending e-mail with, 96–98
  subject line, including in, 96
  text length, limitation on, 98
  URLs, including in, 96

I

icons
  displaying names of, 10
  finding hidden on toolbar, 10
  rearranging on Quick Access toolbar, 12–13
IF function, using with ISERROR function, 91
IFERROR function
  for error message substitutions, 100
  hiding error values with, 90–91
  ISERROR versus, 91
images
  capturing from windows, 273
  comments, adding to, 278
dialog boxes for
  Copy Picture, 257
  Format Picture, 257
  Insert Picture, 68, 278
efficiency within Excel, 279–280
exporting from worksheets, 281–282
  Format Picture dialog box, adjusting with, 68
  modifying linked, 274
  modifying on worksheets, 279
  for Office Background, 7
  Picture Tools, using with, 274
  ranges, converting into
    live images, 274
    static images, 273
  saving as graphics, 275
  saving shapes, charts and ranges as, 281–282
  watermarks, creating with, 68–69
Import Data dialog box
  refreshable links, 185
  static links, 186
Import Text File dialog box
  importing CSV files with, 188
static or refreshable content, choosing, 189
importing
  data
    pasting refreshable information, 185–186
    trailing minus sign issues, 154
dialog boxes for
  Advanced Text Import Settings, 154, 246
  Import Data, 185–186
  Import Text file, 188–189
  New Web Query, 185–187
indenting, 48–49
INDEX function, 27–28, 102, 116
INDIRECT function
  making cell references unchangeable with, 140
  specifying rows with, 138–139
  specifying worksheet names with, 139
tying transposed formulas to source ranges, 174
unlinking data ranges, 257–259
local (worksheet-level) names
  apostrophes with, 93
  in formulas, 93
  Name box, creating with, 92–93
  Name Manager dialog box, 93
  spaces in, 93
locking cells
  formula, 135
  restricting cursor movement, 155–156
  security, 137
  unlocking nonformula, 136
lookups
  concatenation with, 104
  implicit intersections for, 102
  INDEX function for, 102
  intersection formulas for, 101–102
  MATCH function for, 101
  two columns for, 103–104
macros
  enabling in Protected View, 17
  Excel 4 XLM functions, in formulas, 27–31
  filenames list, creating with, 27–28
  on Quick Access Toolbar, 12
  saving with proper file extensions, 28, 31
malware. See also Protected View
  avoiding, 17
  concerns about, 17
  opening safe files, 18
MATCH function, 101
MAX function, inserting with AutoSum button, 85
Merge and Center button
  available commands, 44
  merging cells with, 43
  unmerging cells
    selecting all worksheet cells, 46
    selecting individual cells, 44
Merge Styles dialog box
  sharing styles between workbooks, 53
  updating fonts on old worksheets, 76–77
merging cells
  alternatives to, 47
  combining cells, 43
  issues with, 45
  limitations of, 44–45
  locating with Find and Replace, 45–46
  with Merge and Center button, 43–44
  unmerging actions, 43
unmerging all worksheet cells, 46
wrapping text in, 44
MHTML file format
 advantages of using, 26
 saving workbooks in, 25
MIN function
 comparing values with, 267
 inserting with AutoSum button, 85
mixed references, 88–89
MOD function, 62–64
modifications
 of chart pictures, 257
 of chart styles and colors, 241–242
 of images on worksheets, 279
 of linked pictures, 274
 of named styles, 51
 of pivot table data, 223
protecting against
 passwords, 136–137
 Styles dialog box, 53
of Quick Access toolbar, 12
of Ribbon, 14
of speech qualities, 197
Style gallery for, 50
of text with formulas, 176
of themes, 35
transforming data
 temporary formulas, 158–159
 without formulas, 157–158
MROUND function, 118
multi-level category labels, 253–254

N
Name Manager dialog box, 93
named constants
 controlling scope of, 94
 creating with New Name dialog box, 94–95
 for formulas, 94
 simplifying formulas with, 95
 for text shortcuts, 95
named ranges
 comparing ranges with, 162–164
 creating drop-down lists in, 161
 in formulas, 101
names
 apostrophes with, 93
dialog boxes for
 Create Names from Selection, 102
 Edit Name, 95
 Name Manager, 93
 New Name, 94
 Paste Name (F3), 93, 95
managing for worksheets, 93
for named constants, 94–95
workbook-level, 92
worksheet-level, 92–93
New Formatting Rule dialog box
 bar charts, modifying with, 261
 for conditional formatting, 163
 excess spaces, identifying with, 171
ranges, comparing with, 163
shading, applying with, 62
New Name dialog box, 94
New Web Query dialog box
 HTML files, accessing with, 185
 limitations of, 185–186
 refreshable links, creating, 185
 refreshing information with, 181, 186
 servers, accessing with, 185
 specifying data to retrieve, 186–187
 stock market reports, retrieving with, 182–183
 web browsers, accessing with, 185
Normal style
 changing fonts for, 52
 displaying settings in Style dialog box, 51
Normal view
 forcing from Protected View, 18–19
 in workbooks, 8
number format codes
 code categories, 55
 displaying in scale values, 58
 managing with Format Cells dialog box, 54–58
tables of
 custom formats for, 56
 formats for dates and times, 57
 scale values, 58–59
numbers. See also custom number formats; rounding
 converting measurements, 121–122
 counting nonduplicated entries, 123–124
credit cards, working with, 168–169
digit changes with long, avoiding, 167
displaying with text, 70–71
font substitution, avoiding, 72–74
inexact searches for, 195
row
 automatic, 212
 consecutive, maintaining when filtering, 213
 sequential, 212–213
TRIM function, identifying excess spaces with, 172

O
ODD function, 118
Office Compatibility Pack, 37–38
Open dialog box, 18
page displays, changing with Workbook Views, 8
Page Setup dialog box, 39–40
passwords
  bypassing with Inquire add-in, 134
  limitations of, 137, 156
  Protect Sheet dialog box, 136–137
Paste Name dialog box (F3)
  finding named constants in, 95
  for worksheet-level names, 93
Paste Special dialog box, 157–158, 173–174
pasting data
  from autosaved workbook copies, 20
  copies of range formulas, 128–129
dialog boxes for
  Paste Name (F3), 93, 95
filling gaps in reports by, 192–193
into graphics files, 273–275
Import Text file dialog box, 188–189
mixed cell references, 88–89
from PDF files, 198–199
pictures of charts, managing, 257–258
from Protected View documents, 18
refreshable information, creating, 185–187
from web pages, 184
from Word 2013 into Excel, 257–258
pattern recognition, 176–180
PDF files
  importing data by copying, 198–199
  importing data using Word 2013, 200–201
  opening with Word 2013, 200
  sending files as, 24–25
Picture Tools menu, 274
pictures. See images
pie charts
  creating simple, 264–265
gauge charts, creating from, 266–267
pivot tables
  advantages of using, 216, 221
  charts, creating from, 226
  complicated formulas, creating with, 222
dialog boxes for
  Change PivotTable Data Source, 231
  Create PivotTable, 220, 224–225, 230–231
  Insert Slicers, 233
document themes, incorporating in, 32
ease of use, 220
flexibility of, 216
formulas versus, 218–221
frequency tabulations, creating with, 224–226
grouping items
  avoiding blank cells, 227
  by dates, 227–228
  optional time-based units, 229
multiple groupings, creating
  by assigning multiple range names, 229
  with existing tables, 230
output, controlling with hidden fields, 222
purpose of, 215
ranges versus, 215
references to cells within, controlling, 222–223
referencing with outside formulas, 222
refreshing with new table data, 205
requirements for, 214
slicers, using with
  advantages of, 232
  applying simple filters, 232
  creating interactive charts, 233
  creating interactive dashboards, 232
  displaying multiple values, 233
  Insert Slicers dialog box, 233
themes, using with, 32
timelines, using with, 234–235
Power Utility Pak, 4
predicting values, 152–153
printers
  adjusting settings for, 39–40
  Page Setup dialog box, 40
printing
  chart of printer settings, 39–40
  Page Setup dialog box, 40
  printer settings, adjusting, 39
  from Protected View, 18
  Quick Print option, 39
propagating formulas, 210
properties
  of cells
    locking and hiding formula cells, 135
    unlocking nonformula cells, 136
dialog boxes for
  Import Data, 186
  Properties, 18–19
  Speech Properties, 197
forcing Protected View files open, 18
modifications
  of chart pictures, 257
  of speech qualities, 197
of PDF documents, 24
web queries, controlling with, 186
Index

Properties dialog box, 18–19
Protect Sheet dialog box, 136–137
Protected View. See also security
copying data from, 18
disabling to edit files in, 17
forcing Normal view with Properties dialog box, 18–19
macros, working with in, 17
opening by choice, 18
overview, 17
printing documents from, 18
printing issues with cloud computing, 22
saving workbooks into Normal view, 18–19
triggering situations for, 17
Trust Center, controlling with, 17–18
warning messages displayed for, 17
protecting formula cells, 155–156
Publish as PDF or XPS dialog box, 24

Q
question mark (?) wildcard character, 195
Quick Access toolbar
comments, setting up for, 276
copying Ribbon commands to, 10
default location of, 10
displaying below Ribbon, 13
displaying icon names on, 10
filters, using with, 11
finding
  additional icons on, 10
  all Excel commands on, 12
  macros on, 12
icons
  adding, 10–12
  changing, 12
  rearranging, 13
  removing, 13
resetting to default, 13
Ribbon use versus, 10
sharing with others, 13
work-specific macros, adding, 12
Quick Analysis
  overview, 190–191
  preventing display of, 191
Quick Print, 39

R
ranges
  in absolute versus relative references, 87–88
  AGGREGATE function, using with, 126
  AutoFill, generating with, 151
  with AutoSum function, 85–86
  conditional formatting, comparing with, 162–164
  conditional formatting for shading, 62–64
  counting nonduplicated entries in, 123–124
  data labels from, using, 268–269
  document themes, controlling with, 32
duplicate values, identifying in, 165–167
exact copies of, making, 128–129
in formulas, 92–93
importing text into, 188–189
live calendars, displaying in, 114–115
lookup tables, naming for, 103
Merge functions, using with, 43–47
in mixed references, 88–89
mouse plus keyboard selections, 148
mouse versus keyboard selection, 147
names for, creating, 101–102
normalized versus non-normalized, 214–216
official tables, converting into, 205–206
PDFs, saving as, 24
pictures, converting into
  live images, 273–274
  saving as graphic images, 275, 281–282
  static images, 273
pivot table usage of, 215
pivot tables versus, 215
searches, performing on, 195
selecting
  across multiple worksheets, 149–150
  current region, 148
  noncontiguous ranges, 148
spaces, using for intersection operators, 102
styles, applying to, 50
tables versus, 205–207
transforming data in, 157–158
transposing columns and rows, 173–175
vertical, converting into tables, 142–143
VLOOKUP and HLOOKUP with, 101–102
in Watch Window, 83
read-only file sharing, 26
Recommended Charts
with Insert Charts dialog box
  advantages of, 240
  previewing data in, 239
  limitations of, 240
  trust issues with, 240
#REF! error message
  avoiding display of, 90–91
  displaying in name lists, 28, 30
Hidden and Empty Cell Settings dialog box
dealing with missing data, 250
forcing hidden data use, 251

hiding
AGGREGATE function, 126
filter buttons, 207
SUBTOTAL function, 126

last value in, finding, 116–117

naming
with Create Names from Selection dialog box, 102
for implicit intersection lookups, 102
numbering sequentially, 212–213
row numbers versus data numbers, 212
selecting entire, 149
shading options for, 62–64
Total Row command, 208
transposing with columns, 173–175

ruler display, changing with Show group, 8

sandbox environment, 17
Save As dialog box, 25
Save Chart Template dialog box, 245

scope
identifying names by, 93
limiting workbook names with, 94
Scope drop-down list, 92

searching
Find and Replace dialog box, 195
question marks and asterisks, looking for, 195
wildcard characters, 194–195

security
limitations of
in hiding and locking cells, 137
for passwords, 156
precautions with macros, 17
role of Protected View in, 17–18

Select Data Source dialog box, 250

selecting
across noncontiguous worksheets, 150
choosing current region, 148
entire column, 149
entire row, 149
mouse plus keyboard selections, 148
mouse versus keyboard selections, 147
multisheet ranges, 149–150
noncontiguous cells and ranges, 148

shading
alternate rows with, 62–63
checkerboard patterns, 63
groups of rows with, 64
shapes
  Format Painter, copying formatting with, 67
  linked, adding to charts, 256
  saving as images, 281–282
  themes, using with, 32, 36

SharePoint, 22

sharing
  Compatibility Checker, 38
  compatibility issues with, 161
  file format choices for, 24–26
  IFERROR versus ISERROR functions, 207
  Ribbon customizations, 13
  tabled workbooks, 207

sheet names
  combining with HYPERLINK function, 30
  creating list with macro, 29–31
  updating list, 30

Show group, 8

sizing
  Chart Tools, 244
  charts, 243–244
  copying ranges, 67
  dragging cells for, 207
  Drawing Tools, 243
  font substitution issues, 72–73
  Formula bar appearance, changing, 82
  of indentation values, changing, 49
  referencing data when, 211
  of shading values, changing, 64
  of slicers, 233
  SmartArt, 61
  Styles for, 52
  with themes, 34
  Watch Window display, customizing, 84

SkyDrive
  advantages of using with Excel, 22
  disadvantages of, 22–23
  synching files with, 22
  working using workbooks in, 22

slicers
  appearance of, adjusting, 233
  compatibility issues with, 38
  definition of, 232
  Insert Slicers dialog box, 233
  interactive dashboards, creating with, 232
  multiple values, displaying with, 233
  pivot tables, using with, 234
  removing from filters, 233
  simple filters, applying with, 232
  themes, using with, 32

SmartArt dialog box
  creating bullet lists with, 61
  using themes with, 32, 36

Sort & Filter command, sorting pivot tables with, 226

sorting
  contents of columns, 84
  issues with gaps, 192–193
  issues with merged cells, 45

spaces
  encoding with ENCODEURL function, 96
  issues with excess, 170–172
  as range intersection operators, 102
  in worksheet names, 93

sparklines
  with Quick Analysis, 190–191
  themes with, 32

speech
  enabling text-to-speech feature, 196
  proofing data with, 196
  reading data with, 196
  Ribbon, customizing for, 16
  voice qualities, adjusting, 197

Speech Properties dialog box, 197

status bar
  Custom Views with, 8
  hiding with VBA command, 9

stock market charts
  unavailable from Recommended Charts, 240
  uses for high-low lines, 252

stock market reports
  automatically inserting into spreadsheets, 181
  entering symbols correctly, 181
  hiding irrelevant information, 182
  Insert Refreshable Stock Price shortcut menu, 181–182
  plotting with, 252
  refreshing data in, 181
  retrieving with New Web Query dialog box, 182–183
  retrieving with web queries, 182

structured references
  creating with column names, 208
  supported by tables, 207
  with Total Row display, 208–209

Style dialog box
  creating new styles with, 52–53
  modifying existing styles with, 51–52

Style gallery
  creating and naming new styles with, 52–53
  merging styles between workbooks with, 53
  modifying styles with, 50–52
  protecting styles from modification, 53
  sharing styles in master workbooks, 53

styles
  additional formatting with, 50
  attributes affected by, 50
styles (continued)
chart modification with
   changing chart elements, 241
   modifying styles and colors, 241–242
creating from existing formats, 52–53
custom sets, limitations of, 53
dialog boxes for
   Merge Styles, 53, 76–77
   Style, 51–53
master workbooks for sharing, creating, 53
modifications
   of Normal style, 52
   protecting from, 53
   with Style gallery, 51–52
multiple cells, adjusting with, 50
sizing, adjusting with, 50–52
updating fonts on old worksheets, 76–77

subscript, applying to text, 65
Subtotal dialog box, 218–219
SUBTOTAL function
   automatically inserting subtotals with, 218–219
   sequential numbers, maintaining when filtering, 213
   sorting data with, 218–219
   SUM function versus, 86
   with Total Row command, 208
SUM function
   AutoSum button for, 85
   SUBTOTAL function versus, 86
superscript, applying to text, 65

table references, 211
tables. See also pivot tables
   AutoSum button with, 86
   calculated columns supported by, 207
   charts, creating from, 205
   converting from vertical ranges, 142–143
   copying from web pages, 185–187
   CSS displays, issues with, 186
   exact values in, finding, 99–100
   filters with, 207
   formatting options, 207
   formulas with, 208
   limitations of, 207
   merged cell issues, 45
   normalized, definition of, 214
   numbering rows automatically, 212
   official, creating, 205
   overview, 205–207
   pivot tables, creating from, 205
   propagating formulas automatically in, 210, 212
   Quick Analysis feature, creating with, 190
   ranges versus, 206–207

size of, adjusting, 207
slicers with, 207
structured references with, 207
SUM versus SUBTOTAL functions in, 86
themes with, 32
values at intersections, finding, 101–102
workbook sharing issues with, 207

templates
   applying to existing charts, 246
   creating for charts, 245
   file formats for workbooks, 37
   with new charts, 246
text boxes, adding to, 245
temporal formulas, 158–159
text
   centering without merging, 47
   chart
      adding with multi-level category labels, 253
      linking to cells, 255–256
      converting arguments to range references, 138–139
dialog boxes for
   Advanced Text Import Settings, 154, 246
   Convert Text to Columns Wizard, 129
   Import Text file, 188–189
   Text to columns, 154
displaying
   with numbers, 70–71
   in text boxes, 47
   in vertical format, 47
encoding for e-mail, 96
excess spaces, 170–172
font substitution, avoiding, 72–74
formatting individual characters in cells, 65
in HYPERLINK functions, 96, 98
importing into worksheet ranges, 188–189
in merged cells, 43
modifying
   with Flash Fill, 176–178
   with styles, 50–53
   with temporary formulas, 158–159
searching with wildcards, 194
shortcuts using named constants, 95
superscript and subscript, applying, 65
wrapping in merged cells, 44
text boxes
   adding to charts with multi-level category labels, 256
   including in groups, 271
   including in templates, 245
   linking to pie-charts, 267
TEXT function, displaying text and numbers with, 71
Text to Columns dialog box, 190
TextImport Wizard, 154
text-to-speech feature, 196
themes
  colors for, choosing, 35
  creating, 35–36
  custom colors for, creating, 36
  custom sets in Office applications, 36
default Office, new fonts for, 75
gallery, choosing from, 34
limitations of using, 34
modifying, 35–36
overview, 32
saving customized sets, 36
tilde (~) character, using in searches, 195
timelines
  filters with, 234–235
  Insert Timeline dialog box, 234
  themes with, 32
times
  AutoFill
    creating series with, 152
    predicting values with, 152–153
  CONVERT function, using with, 121–122
custom formats of, codes for, 57
  holidays, calculating, 105–107
  live calendars, displaying, 114–115
  pre-1900
    Google Spreadsheet, using for, 113
    issues with, 110–111
    XDATE functions, using for, 111–112
  searching options, 195
Total Row command
  with tables, 208
  toggling display on and off, 209
totals
  AutoSum button, creating with, 86
  ignoring with formulas, 211
  pivot tables, calculating with, 214
  running, creating, 190–191
  SUBTOTAL versus SUM functions, 190–191
transforming data
  with temporary formulas, 158–159
  without formulas, 157–158
TRANSPOSE function, 174–175
transposing ranges
  linking to source ranges, 174
  Paste Special dialog box, 173–174
  TRANSPOSE function, 174–175
TRIM function, 172
TRUNC function
  converting values to integers with, 119–120
  definition of, 118
  INT function versus, 119
Trust Center, controlling Protected View with, 17–18

U
unlocking cells
  nonformula, 136
  restricting cursor movement, 155–156
updating
  CSV files in worksheet ranges, 188–189
  manually for static pages, 187
  refreshing pivot tables, 221
  web page data, 185–186
URLs
  for e-mail, 96–98
  extracting domain names from with Flash Fill, 178
  with HYPERLINK, 96
  retrieving stock market reports with, 181–183
  for web queries, 182
V
values
  displaying with text, 70–71
  finding at intersections, 101–102
  looking up exact values, 99–100
  searching with wildcards, 195
VBA code
  hiding status bar with, 9
  problems with merged cells, 45
  XDATE add-ins, 111–112
VLOOKUP function, 99
W
Watch Window
  customizing display of, 84
  monitoring cells and ranges with, 83
  navigating between worksheets with, 84
  overview, 83
  sorting contents in, 84
watermarks
  example of, 69
  Format Picture dialog box, 68
  in headers and footers, creating, 68
  Insert Picture dialog box, 68
Web Options dialog box, 281–282
web pages
  accessing directly by URL command, 187
  copying static information from, 184, 186
  CSS displays, issues with, 186
dialog boxes for
  New Web Query, 118, 182–183, 185–187
  Web Options, 281
Excel Web App, 22–23
HYPERLINK function, navigating to with, 96
importing data from, 184

Index 297
web pages (continued)
pasting methods for inserting, 184
quick queries for, creating, 185–186
refreshable links to, creating, 185
specifying data to retrieve, 186–187
web queries, making
   New Web Query dialog box, 182–183
   URLs, 182
workbooks, using in browsers
   with Microsoft SkyDrive account, 22
   with SharePoint, 22
wildcard search characters
   searching for question marks or asterisks, 195
   searching for text, 194–195
   searching for values, 195
Word 2013
   copying formula ranges with, 128–129
   copying PDF data with, 200–201
   opening PDF files with, 200
   sharing themes with Excel, 36
Workbook Analysis Report dialog box, 132
Workbook Views
   adding watermarks with, 68
   overview, 8
   restriction of tables from, 207
workbook-level (global) names, 92
workbooks
   analyzing with Workbook Analysis Report dialog box, 132
   bypassing passwords with Inquire, 134
   diagramming relationships between, 133
   sharing prohibitions with tables, 207
worksheet-level (local) names
   apostrophes with, 93
   in formulas, 93
   Name box, creating with, 92–93
   Name Manager dialog box, 93
   spaces in, 93
worksheets. See also pivot tables
   apostrophes, using with names, 93
   common themes, using with, 34
   diagramming relationships between, 133
exporting graphics from, 281–282
filling gaps for sorting, 192–193
Format Painter, removing formatting with, 67
names, identifying by scope, 93
password limitations with, 156
pivot tables, using with, 214
protecting with Protect Sheet dialog box, 136–137
refreshable data, creating in, 188–189
resizing formula bar for editing, 81–82
selecting multisheet ranges, 149–150
selecting noncontiguous worksheets, 150
spaces, including in names, 93
themes, adjusting for different, 34
Wrap Text
   using with bullet lists, 60
   using with merged cells, 44
X
XDATE custom functions
   issues with pre-1583 dates, 112
   list of extended date functions, 111–112
   for pre-1900 dates, 111
XLM-style macros
   FILES function, 27
   GET.WORKBOOK function, 29
   .xls file extensions, 28, 31
   .xlsm file extensions, 28, 31
   XPS file format, 24
Y
YEARFRAC function, 108
Z
zip files, compatibility with XML files, 37
Zoom group, 8
zooming
   avoiding font substitution during, 72–74
   Zoom group versus Zoom slider for, 8