

Index

A

Absolute notation, 108, 192, 204
Achaemenid, 1, 2, 4, 7–9, 34, 49, 54, 56–58, 62, 66–68, 70, 78, 82, 83, 89–93, 95–97, 99, 100, 103, 106, 107, 117, 126, 153, 155, 158, 161, 171, 172, 174, 187, 222, 232
Aithiopes, 263
Aithiopia, 259
Alexandria, 255, 256
Almanac, 45, 154, 155, 161, 165
Ammatum, 105, 109, 110, 112, 114–118, 120–122, 125, 127, 129, 133–135, 137–139
Amor, 258
An, 73, 80, 242, 243, 246–248
Anduruna, 243–248, 250
Antu, 164, 187, 191, 221, 224–226, 231, 235, 236, 240, 242, 243, 248, 251
Anu, 4, 7, 9, 55, 164, 187, 188, 191, 219, 221–226, 228–232, 242, 243, 245–247
Anum, 73, 80, 242, 243, 246, 247
Aratus, 239
Aries (constellation), 180, 236–240, 259
Aristotle, 249, 250, 262, 263
Āšīpu, 6–9, 11, 13, 16, 17, 19, 22, 23, 26, 27, 30, 32–35, 45, 49, 55, 74–76, 89, 90–92, 94–96, 106, 123, 124, 126, 147–149, 151, 153–155, 161, 163, 164, 171, 172, 181, 187, 191, 221–223
Assyria, 58, 65, 66, 173, 184, 266
Astrolabe, 150, 180, 222
Astrology, 1, 5, 7, 32, 35, 40, 147, 162–165, 168, 171, 172, 177, 181, 184, 219–221, 226, 235, 261, 267

Astronomer, 148, 157, 162, 213, 221, 236, 239, 267–269

Astronomical Diary, 55, 238

B

Babylon, 2–5, 34, 35, 45, 54, 55, 57–59, 62, 66–70, 83, 89, 95, 110, 115, 117, 133, 154, 155, 163, 171, 173–175, 177, 179, 181, 184, 188, 192, 199, 200, 211–215, 219, 223, 228, 230, 232, 235, 239, 240, 244, 255–257, 259, 266, 267
Babylonia, 4, 5, 34, 54, 56–59, 65–67, 69, 81, 117, 125, 150, 173, 174, 221, 228, 230, 240, 251, 252, 255–257, 259, 265–267
Babylonian, 1–7, 35, 37, 38, 40, 41, 53–59, 62, 64–66, 73, 79, 80, 82, 83, 89, 91, 93, 96–103, 105–112, 115–121, 124, 125, 134, 136, 140, 142, 151, 153, 155, 157, 159, 162, 171, 173, 174, 177, 181, 184, 190–194, 198–200, 202, 207, 208, 210, 211, 215, 219–223, 226–232, 235–237, 239, 240, 242, 245, 246, 250–252, 258, 268, 269
Bactria, 259
Barbarians, 261, 262
Blest (Isles of the), 255
Borsippa, 54, 55, 57, 58, 65, 66, 92, 110, 117, 213, 228, 230, 256, 267
Borsippenoi, 267
Break, 60, 152, 261

C
Calendar texts, 188
CBS 8539, 106–109, 112, 115, 116, 136, 144
Chaldaea, 266, 267

- Chaldaioi, 255, 266, 267
 Circle, 196, 197, 205, 209, 263
 Cleostratus of Tenedos, 239
 Coefficient, 89, 111–117, 120–122, 134–136, 138–140, 207–212
 Colophon, 1, 2, 5–8, 10, 14, 15, 21, 33, 34, 37–40, 46, 47, 53, 55, 59–62, 64–72, 77, 78, 80, 81, 84, 90–92, 94–96, 100–102, 106, 126, 126, 133, 147, 149, 150, 162, 164–168, 172, 177, 179–181, 183, 189–191, 201, 202, 211, 213, 214, 221, 224, 236, 238, 240, 243
 Combined table of multiplications, 190, 211
 Commentary, 7, 9, 12–22, 24–26, 28, 29, 32–35, 45–47, 49, 53–74, 76–80, 82, 83, 105, 124, 147, 150, 162–167, 172–176, 181, 202, 205, 206, 230, 236, 238, 242, 244, 246, 248, 249
 Compilation, 11, 14, 31, 33, 34, 59, 60, 62, 63, 69, 150–154, 158, 161–163, 167, 168, 181, 188, 244
 Computational errors, 191, 197, 200
 Copying, 6, 56, 59, 199, 201, 221
 Copying errors, 196, 198, 199, 201
 Crete, 258, 259
 Crocodiles, 259
 Cryptography, 53, 76
 Cultural imports, 53, 64
 Cuneiform texts, 38, 252
- D**
 Daylight, 180, 230
 Day (longest and shortest), 256
 Diviner, 187, 191
 Dodekatemoria, 183, 184
 Dumuzi, 71, 73, 238
 Duruna, 243, 247, 248, 250
- E**
 Ea, 7, 74, 75, 127, 166, 244, 246, 247, 250, 251
 Eclipse, 151, 153, 162, 166, 168, 175, 258–261, 269
 Egypt, 181, 258, 259
 Elymais (Elam), 259
 Enūma Anu Enlil, 35, 45, 64, 65, 68, 150, 162–164, 166, 172, 174–177, 181, 221, 236
 Enūma eliš, 58, 74, 243–248, 251
 Enmešarra, 230, 244, 246, 247, 250, 251
 Equinox, 151, 156–158, 229, 237, 260
 Eratosthenes, 239
 Errors, 8, 152, 159, 162, 181, 192, 194, 196, 197, 199, 200
- Esagil temple, 213
 Eudoxus, 239
 Euphrates, 256, 257, 259, 267
- F**
 Floating notation, 193, 194, 202
- G**
 Geometry, 190, 206, 213
 Germania, 259
 Gimil-Sin, 33, 34, 53, 56, 66, 67, 69–78, 80–82, 84, 166
 Goal-Year period, 154
 Goal-Year Text, 150, 163, 182
- H**
 Hebrews, 258
 Hecataeus, 263
 Hephaestion of Thebes, 258
 Herodotus, 261
 Hipparchus, 259, 268, 269
 Hippocratic writings, 261
 Hired Man (constellation), 235, 236, 238, 239
 Horoscope, 45, 148, 172, 177, 183, 188
 House of the āšipus, 6–9, 32, 34, 35, 45, 49, 89, 90, 92, 96, 124, 147, 149, 151, 154, 155, 161, 163, 164
- I**
 IM 75985, 7, 92, 95, 143
 Ina-qibīt-Anu, 68, 191, 201, 221, 236, 238
 Incantation, 7, 9, 13, 16, 17, 19, 22, 23, 27, 30, 32, 46, 47, 57, 72, 77, 164–167, 183, 184, 244, 250
 India, 259
 Irregular numbers, 212
 Isocrates, 261
- J**
 Jupiter, 151, 153, 175, 176, 182, 183, 212, 224, 226, 227, 231, 266
- K**
 Kalendertext, 45, 148, 162, 163, 166
- M**
 Marduk, 54, 58, 59, 73, 74, 79, 80, 222, 226–228, 231, 244, 246–248, 250, 251, 266
 Marinus of Tyre, 264
 Mars, 44, 151, 153, 157, 158, 168, 182, 183, 224, 226
 Mathematical, 7, 9, 33–35, 38, 45, 49, 89–97, 99, 100, 105–107, 109, 110, 112,

- 115–117, 121, 123, 124, 126, 149, 155,
162, 163, 184, 187, 188, 190, 191, 201,
207, 208, 213–215, 226, 255, 261
- Mathematical astronomy, 35, 38, 41, 44, 147,
148, 150, 159, 163, 188, 189, 201,
211–215, 219, 221, 226, 230, 264
- Medes, 259
- Mediterranean, 5, 237, 252, 264
- Mercury, 151–154, 168, 175, 176, 182, 183,
212, 222, 224, 226, 266
- Metrological system, 89, 93, 96, 98–101, 103,
106, 107, 109, 110, 116, 117, 119, 120,
124, 126, 141, 143, 214
- Metrological table, 10, 28, 31, 89–108, 110,
112–117, 120–122, 124, 136, 138, 139,
147, 188, 190
- Metrology, 34, 90, 93, 96, 97, 100, 106,
108–111, 115, 116, 118, 120, 123, 124,
126, 140–142, 190, 201, 206–209, 213,
215
- Micro-zodiac, 172, 177, 183
- MLC 1866, 223, 235–240, 242, 252
- MLC 1890, 235, 240, 242, 243, 245, 247, 248,
250, 251
- Moon, 150, 159, 160, 163, 164, 175–177, 184,
220, 224, 229, 231, 232, 249, 250, 258,
260, 264, 268
- MUL.APIN, 150, 159, 181, 225, 229, 237, 238
- N**
- Night-time, 261
- Nile flood, 258
- Nineveh, 34, 58, 59, 65, 66, 70, 173, 230
- Nippur, 4, 33, 34, 53, 55–58, 62, 66–75,
77–79, 81–84, 89, 97–99, 106–108,
110, 112, 113, 115, 116, 121, 124, 136,
173, 232, 266, 267
- Normal Star Almanac, 154, 155
- O**
- Observation, 104, 138, 151, 153, 154, 168, 266
- Odapsos, 260
- Omen, 9, 11, 12, 13, 15, 20, 22, 26, 33, 35, 38,
45, 47, 62, 63, 66, 147–149, 153, 164,
166, 167, 172–175, 258–260, 267
- Orchenia, 266
- Orchenoi (or Orchenioi), 255, 257, 258,
266–269
- Orchoe, 255, 256
- P**
- Papyrus, PCairo 31222, 258
- Papyrus, P.Oxy 45.4471, 258
- Papyrus, P.Oxy astr. 4139, 268
- Papyrus, P.Vind D 6278+, 258
- Parthia, 259
- Philolaus of Croton, 248
- Phoenicians, 266
- Pliny, 239, 240, 255, 266, 267
- Pliny the Elder, 266
- Prediction, 46, 47, 148–151, 155, 177,
180–183, 230, 260
- Problem text, 47, 48, 109, 123, 190, 202, 214
- Procedure text, 149, 188, 201, 202, 205
- Progression, 93
- Ptolemy, *Almagest*, 264, 266, 268
- Ptolemy, *Geography*, 255–258, 260, 264, 266,
267
- Ptolemy, *Handy Tables*, 255, 256
- Ptolemy, *Table of Noteworthy Cities*, 256
- Ptolemy, *Tetrabiblos*, 255
- Pythagoras, 250, 251
- Pythagorean, 235, 240, 248–251
- Pythagorean rule, 207, 208
- R**
- Ram, *see* Aries
- Rēš library, 188–190, 205
- Rēš temple, 2, 4, 6, 34–37, 39, 42–45, 49, 63,
89, 163, 173, 187, 236
- Rīmūt-Anu, 9, 94, 96, 100, 118, 123, 126
- Real estate, 33, 125, 126
- Reciprocal, 10, 14, 46, 91–93, 95, 96, 106,
112–114, 120, 122, 123, 134, 136–140,
188, 190–201, 210–214
- Red Sea, 259, 264
- Reed surface, 109, 118–120, 122
- Regular numbers, 106, 140, 191–193, 196,
199, 212, 214
- Rhea, 251
- Room 4, 8, 9, 32, 33, 91, 92, 94–97, 99, 106,
109, 110, 115, 123–126, 138
- S**
- Šamaš, 68, 73, 76, 80, 82, 126, 158, 221, 224,
225, 227, 230, 243, 245, 248
- Šamaš-Iddin, 9, 33, 94–96, 100, 118, 123, 126,
133
- Saturn, 151, 153, 160, 161, 167, 182, 224, 226
- Schematic astronomy, 124, 147, 150
- Schematic year, 148, 159, 162
- Scholarly traditions, 33, 54, 57
- Scribe, 7, 60, 63, 65, 68, 69, 71, 72, 80, 82,
107, 113, 152, 154, 157, 158, 161,
171–173, 175, 177, 181, 190, 192, 194,
198, 199, 201, 202, 211, 213, 221, 240
- Scythia, 259
- Seed measure, 110, 116, 204–211, 213, 214

- Seed surface, 109–111, 113–116, 119, 120, 122
- Seleukeia, 256, 257
- Sexagesimal place value notation, 97, 108, 111, 190
- Sîn-leqe-unninni, 221, 223, 240
- Sirius, 151, 155, 157–159, 258–260
- Skythians, 263
- Solstice, 151, 156–159, 161, 162, 219, 228–230, 260
- SpTU 1, 95, 159
- SpTU 1, 98, 160–162
- SpTU 1, 99, 154
- SpTU 1, 100, 153
- SpTU 3, 104, 7
- SpTU 3, 105, 148
- SpTU 4, 168, 156, 157, 162
- SpTU 4, 169, 155, 157, 159
- SpTU 4, 170, 160–162
- SpTU 4, 171, 151, 153
- SpTU 4, 172, 92, 100, 102, 126, 143
- SpTU 4, 173, 33, 92, 143, 180
- SpTU 4, 174, 92, 143
- SpTU 4, 175, 92, 110, 111, 134, 143
- SpTU 5, 265, 8, 149
- SpTU 5, 266, 151, 153
- SpTU 5, 267, 152–154, 168
- SpTU 5, 268, 151, 152, 154
- SpTU 5, 269, 157, 162
- SpTU 5, 271, 153
- Square, 8, 9, 55, 92, 93, 99, 105, 109–111, 113, 115–121, 125, 135–138, 140–142, 197, 198, 207, 209–213, 220, 268
- Standard Table of reciprocals, 200
- Strabo, 255, 267–269
- Stratigraphic level, 8
- Sun, 158, 159, 163, 164, 176, 184, 220, 222, 224, 229, 231, 232, 243, 245, 248–250, 260, 261, 263, 264, 266
- Surface, 10, 11, 29, 33, 67, 89, 90, 92, 93, 95, 96, 98, 98, 99, 101, 102, 104–107, 109–122, 124–126, 130, 134, 135, 137–141, 151, 155, 251, 261
- Syria, 258, 259, 266
- System A, 159, 160, 165, 167, 268, 269
- System B, 159–161, 189, 268, 269
- T**
- Teredon, 256
- Three Stars Each, 150
- Tiamat, 246
- Tigris, 256, 267
- Time measurement, 268
- Tithi, 156, 158, 159
- Trapezoid, 124, 204–206, 208, 209
- Triangle, 110, 111, 115, 122, 193–195, 204, 206–208
- Triaxial index grid, 193–195
- V**
- Venus, 151, 153, 182, 183, 212, 224, 226, 227, 231
- Vettius Valens, 260
- W**
- W 23273, 91, 92, 95, 100, 102, 126, 143
- W 23281, 33, 92, 95–97, 104, 121, 138, 143
- W 23283 +W 22905, 91, 92, 95, 143
- W 23291, 91, 92, 95, 110, 111, 118, 134, 143, 207
- W 23291x, 92, 95, 136, 143
- Water clock, 158
- X**
- Xenophon, 261
- Z**
- Zeus, 249–251
- Zigzag function, 160, 161, 180, 268
- Ziqlu, 150, 155, 157, 158, 159, 162, 166, 167
- Zodiac, 150, 159, 160, 162, 167, 177, 184, 222, 232, 239, 240, 260, 264