



Babylonian Mathematics 3: Base 60

Convert these base 60 numbers into base 10 numbers.

1. 1 05

2. 1 47

3. 2 16

4. 3 55

5. 5 08

6. 10 01

To change numbers from base 10 to base 60, you need to work out how many units you need, how many 60s, how many 3600s, and so on. Use the table to help you:

| Number | 3600s (60×60) | 60s | Units |
|--------|--------------------------|-----|-------|
| 70 | | | |
| 89 | | | |
| 115 | | | |
| 141 | | | |
| 200 | | | |
| 347 | | | |
| 639 | | | |
| 1001 | | | |
| 3793 | | | |

1. What is the largest number you can make using any three base 10 digits?

2. What is the largest number you can make using any three base 60 digits?

3. What is the largest number you can make using three different base 10 digits?

4. What is the largest number you can make using three different base 60 digits?