1. Teisenda järgnevad kahendarvud kümnendarvudeks ning näita ka teisendamise käiku:

a) 1102

b) 11012

c) 100101002

d) 00011001112

e) 1002

f) 10012

g) 11100112

h) 01111001002

2. Teisenda järgnevad kümnendarvud kahendarvudeks ning näita ka teisendamise käiku.

a) 3310

|  |  |
| --- | --- |
| Kümnendarv | Kehendarv |
| 33/2=16 | 1 |
| 16/2=8 | 0 |
| 8/2=4 | 0 |
| 4/2=2 | 0 |
| 2/2=1 | 0 |
| 1/2=0 | 1 |

b) 5910

|  |  |
| --- | --- |
| Kümnendarv | Kehendarv |
| 59/2=29 | 1 |
| 29/2=14 | 1 |
| 14/2=7 | 0 |
| 7/2=3 | 1 |
| 3/2=1 | 1 |
| 1/2=0 | 1 |

c) 11910

|  |  |
| --- | --- |
| Kümnendarv | Kehendarv |
| 119/2=59 | 1 |
| 59/2=29 | 1 |
| 29/2=14 | 1 |
| 14/2=7 | 0 |
| 7/2=3 | 1 |
| 3/2=1 | 1 |
| 1/2=0 | 1 |

d) 95110

|  |  |
| --- | --- |
| Kümnendarv | Kehendarv |
| 951/2=475 | 1 |
| 475/2=237 | 1 |
| 237/2=118 | 1 |
| 118/2=59 | 0 |
| 59/2=29 | 1 |
| 29/2=14 | 1 |
| 14/2=7 | 0 |
| 7/2=3 | 1 |
| 3/2=1 | 1 |
| 1/2=0 | 1 |

e) 100410

|  |  |
| --- | --- |
| Kümnendarv | Kehendarv |
| 1004/2=502 | 0 |
| 502/2=251 | 0 |
| 251/2=125 | 1 |
| 125/2=62 | 1 |
| 62/2=31 | 0 |
| 31/2=15 | 1 |
| 15/2=7 | 1 |
| 7/2=3 | 1 |
| 3/2=1 | 1 |
| 1/2=0 | 1 |

f) 17210

|  |  |
| --- | --- |
| Kümnendarv | Kehendarv |
| 172/2=86 | 0 |
| 43/2=21 | 1 |
| 21/2=10 | 1 |
| 10/2=5 | 0 |
| 5/2=2 | 1 |
| 2/2=1 | 0 |
| 1/2=0 | 1 |

g) 993910

|  |  |
| --- | --- |
| Kümnendarv | Kehendarv |
| 9939/2=4969 | 1 |
| 4969/2=2484 | 1 |
| 2484/2=1242 | 0 |
| 1242/2=621 | 0 |
| 621/2=310 | 1 |
| 310/2=155 | 0 |
| 155/2=77 | 1 |
| 77/2=38 | 1 |
| 38/2=19 | 0 |
| 19/2=9 | 1 |
| 9/2=4 | 1 |
| 4/2=2 | 0 |
| 2/2=1 | 0 |
| 1/2=0 | 1 |

h) 234110

|  |  |
| --- | --- |
| Kümnendarv | Kehendarv |
| 2341/2=1170 | 1 |
| 1170/2=585 | 0 |
| 585/2=292 | 1 |
| 292/2=146 | 0 |
| 146/2=73 | 0 |
| 73/2=36 | 1 |
| 36/2=18 | 0 |
| 18/2=9 | 0 |
| 9/2=4 | 1 |
| 4/2=2 | 0 |
| 2/2=1 | 0 |
| 1/2=0 | 1 |