

VOLUME-RATE CONVERSION PRACTICE

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|--------------------|--------------------------|----------------------------|--------------------------------|
| 1 km = 0.621 miles | 1 gallon = 3.784 L | 1 L = 1000 cm ³ | 1 acre = 0.405 ha |
| 1 mile = 5280 feet | 1 ml = 1 cm ³ | 1000 L = 1 m ³ | 1 acre = 43560 ft ² |
| 1 inch = 2.54 cm | | | 1 ha = 10000 m ² |
| 1 foot = 0.3048 m | | | |

Complete the table using the conversion factors above.

| | | | | | |
|----|---------------------------|-----------------------|----|--------------------------|----------------------|
| 1 | 183 cm ³ | m ³ | 38 | 79 m ³ /d | ft ³ /min |
| 2 | 6581 m ³ | cm ³ | 39 | 37 L/min | ac-ft/h |
| 3 | 314 ft ³ | m ³ | 40 | 40 m ³ /s | ft ³ /d |
| 4 | 157 m ³ | ha·mm | 41 | 15 ha·mm/day | ha·mm/min |
| 5 | 92 ft ³ | cm ³ | 42 | 67 cm ³ /h | m ³ /s |
| 6 | 6.35 ac·ft | m ³ | 43 | 36 km ³ /s | L/h |
| 7 | 89.7 ft ³ | ac·ft | 44 | 19 ac·ft/min | km ³ /min |
| 8 | 79.2 ha·mm | ft ³ | 45 | 28 ft ³ /h | ft ³ /min |
| 9 | 489 m ³ | m ² ·m | 46 | 37 L/d | ac-ft/h |
| 10 | 22 ac·ft | ha·ft | 47 | 46 km ³ /min | ft ³ /d |
| 11 | 100 ha·mm | ha·ft | 48 | 555 cm ³ /min | km ³ /s |
| 12 | 90 ha·ft | ac·ft | 49 | 197 m ³ /s | L/min |
| 13 | 201 cm ³ | ac·ft | 50 | 12 ha·mm/day | ft ³ /h |
| 14 | 597 ha·mm | ac·ft | 51 | 73 cm ³ /h | m ³ /d |
| 15 | 6 m ³ | ha·ft | 52 | 10 L/s | ac-ft/week |
| 16 | 587.2 ac·ft | m ³ | 53 | 18 ac·ft/min | m ³ /s |
| 17 | 76 ft ³ | ac·ft | 54 | 138 cm ³ /min | ac-ft/h |
| 18 | 34 m ² ·m | ha·mm | 55 | 48 m ³ /s | km ³ /min |
| 19 | 79 ha·ft | ha·mm | 56 | 26 ha·mm/day | ft ³ /min |
| 20 | 186 ha·ft | cm ³ | 57 | 27 cm ³ /h | m ³ /s |
| 21 | 57 m ³ /h | ha·mm/h | 58 | 90 m ³ /s | m ³ /h |
| 22 | 718 cm ³ /d | m ³ /d | 59 | 85 ac·ft/min | L/d |
| 23 | 809 m ³ /min | cm ³ /min | 60 | 807 cm ³ /min | m ³ /min |
| 24 | 62 ft ³ /s | m ³ /s | 61 | 62.5 m ³ /s | ft ³ /s |
| 25 | 333 m ³ /year | ha·mm/day | 62 | 2.1 km ³ /s | m ³ /year |
| 26 | 9486 ft ³ /min | L/h | 63 | 49 ac·ft/min | ft ³ /min |
| 27 | 485 ac·ft/h | m ³ /s | 64 | 67 ft ³ /h | ac-ft/d |
| 28 | 28 ft ³ /d | ac·ft/min | 65 | 64 L/d | ft ³ /hr |
| 29 | 78.2 ha·mm/min | ft ³ /h | 66 | 49 km ³ /min | ha·mm/hr |
| 30 | 79 m ³ /s | m ² ·m/min | 67 | 36 km ³ /s | m ³ /h |
| 31 | 48 L/h | ha·ft/week | 68 | 252 ac·ft/min | cm ³ /d |
| 32 | 75 mm ³ /min | m ³ /year | 69 | 16 ft ³ /h | ac-ft/d |
| 33 | 35 ha·ft/s | L/min | 70 | 94 m ³ /d | ft ³ /hr |
| 34 | 468 ha·ft/d | ac·ft/h | 71 | 5.6 L/min | ha·mm/hr |
| 35 | 904 ac·ft/min | ft ³ /h | 72 | 4.2 km ³ /s | m ³ /min |
| 36 | 1.2 ac·ft/s | ha·mm/year | 73 | 1 km ³ /s | ac-ft/h |
| 37 | 87 L/d | m ³ /min | 74 | 36 L/min | m ³ /h |