

Multiplying by 2-Digit Numbers

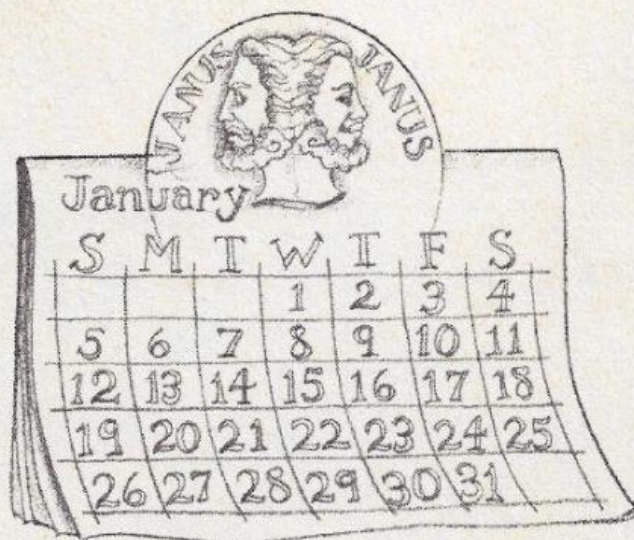
January, usually the coldest month of the year, is named for the Roman god Janus. How many hours are there in the month of January?

We want to know the total number of hours in January.

January has _____ days.

We know that there are _____ hours in 1 day.

To find the total number of hours, we multiply _____ by _____.



Multiply by the ones.

$$\begin{array}{r} 31 \\ \times 24 \\ \hline 124 \end{array} \leftarrow 4 \times 31$$

Multiply by the tens.

$$\begin{array}{r} 31 \\ \times 24 \\ \hline 124 \\ 620 \end{array} \leftarrow 20 \times 31$$

Add the products.

$$\begin{array}{r} 31 \\ \times 24 \\ \hline 124 \\ + 620 \\ \hline 744 \end{array} \leftarrow 24 \times 31$$

There are _____ hours in January.

Getting Started

Multiply.

1. $\begin{array}{r} 23 \\ \times 32 \\ \hline \end{array}$

2. $\begin{array}{r} 42 \\ \times 24 \\ \hline \end{array}$

3. $\begin{array}{r} 50 \\ \times 35 \\ \hline \end{array}$

4. $\begin{array}{r} 64 \\ \times 22 \\ \hline \end{array}$

Copy and multiply.

5. 12×14

6. 21×28

7. 53×23

8. 96×11

Multiply.

1.
$$\begin{array}{r} 32 \\ \times 43 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 71 \\ \times 56 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 23 \\ \times 23 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 75 \\ \times 11 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 32 \\ \times 32 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 22 \\ \times 43 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 61 \\ \times 38 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 80 \\ \times 49 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 54 \\ \times 12 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 62 \\ \times 33 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 84 \\ \times 21 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 32 \\ \times 42 \\ \hline \end{array}$$

Copy and multiply.

13. 41×38

14. 24×62

15. 63×33

16. 60×57

17. 76×81

18. 79×51

19. 96×11

20. 23×52

Problem Solving**Solve each problem.**

21. How many hours are there in 2 weeks and 5 days?

22. How many inches are there in 25 feet and 11 inches?

23. How many ounces are there in 3 pounds 9 ounces?

24. How many feet are there in 15 yards 2 feet?