

Mental math — Round and adjust (×)

Name: _____

Date: _____



Use the round number, then adjust.

$$\begin{aligned} 1 \quad 999 \times 7 \\ &= (1000 - 1) \times 7 \\ &= \underline{7000} - \underline{7} \\ &= \underline{6993} \end{aligned}$$

$$\begin{aligned} 2 \quad 101 \times 36 \\ &= (100 + 1) \times 36 \\ &= \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 3 \quad 23 \times 102 \\ &= 23 \times (100 + 2) \\ &= \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 4 \quad 102 \times 7 \\ &= (100 + 2) \times 7 \\ &= \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 5 \quad 12 \times 9 \\ &= 12 \times (10 - 1) \\ &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 6 \quad 12 \times 99 \\ &= 12 \times (100 - 1) \\ &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 7 \quad 9 \times 49 \\ &= 9 \times (50 - 1) \\ &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 8 \quad 4 \times 102 \\ &= 4 \times (100 + 2) \\ &= \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 9 \quad 5 \times 101 \\ &= 5 \times (100 + 1) \\ &= \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 10 \quad 99 \times 15 \\ &= (100 - 1) \times 15 \\ &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 11 \quad 101 \times 23 \\ &= (100 + 1) \times 23 \\ &= \underline{\quad} + \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 12 \quad 6 \times 999 \\ &= 6 \times (1000 - 1) \\ &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} \end{aligned}$$





Mental math · Round and adjust (×) — Answer key

1. $999 \times 7 = (1000 - 1) \times 7$
 $= 7000 - 7 = 6993$

2. $101 \times 36 = (100 + 1) \times 36$
 $= 3600 + 36 = 3636$

3. $23 \times 102 = 23 \times (100 + 2)$
 $= 2300 + 46 = 2346$

4. $102 \times 7 = (100 + 2) \times 7 =$
 $700 + 14 = 714$

5. $12 \times 9 = 12 \times (10 - 1) =$
 $120 - 12 = 108$

6. $12 \times 99 = 12 \times (100 - 1)$
 $= 1200 - 12 = 1188$

7. $9 \times 49 = 9 \times (50 - 1) =$
 $450 - 9 = 441$

8. $4 \times 102 = 4 \times (100 + 2) =$
 $400 + 8 = 408$

9. $5 \times 101 = 5 \times (100 + 1) =$
 $500 + 5 = 505$

10. $99 \times 15 = (100 - 1) \times 15$
 $= 1500 - 15 = 1485$

11. $101 \times 23 = (100 + 1) \times$
 $23 = 2300 + 23 = 2323$

12. $6 \times 999 = 6 \times (1000 - 1)$
 $= 6000 - 6 = 5994$