

Name _____

Estimate each product by rounding each number to the greatest place value possible. Then check the box to indicate whether the estimate is less than or greater than the actual product.

| | Product | Estimate | Estimate is _____ than Actual Product | |
|----|----------------|----------|---------------------------------------|---------|
| | | | Less | Greater |
| 1. | 21×53 | | | |
| 2. | 89×64 | | | |
| 3. | 55×31 | | | |
| 4. | 72×40 | | | |

$$\begin{array}{r} \textcircled{1} \ 21 \xrightarrow{\text{rounds to}} \\ \times 53 \xrightarrow{\quad} \\ \hline \end{array} \quad \times \underline{\hspace{2cm}}$$

$$\begin{array}{r} \textcircled{2} \ 89 \rightarrow \\ \times 64 \rightarrow \\ \hline \end{array} \quad \times \underline{\hspace{2cm}}$$

$$\begin{array}{r} \textcircled{3} \ 55 \xrightarrow{\text{rounds to}} \\ \times 31 \rightarrow \\ \hline \end{array} \quad \times \underline{\hspace{2cm}}$$

$$\begin{array}{r} \textcircled{4} \ 72 \rightarrow \\ \times 40 \rightarrow \\ \hline \end{array} \quad \times \underline{\hspace{2cm}}$$

? #3 has one number round up and one number round down, what did you do to figure out which box to check off?



Solve each problem.

DO NOT ROUND

Answers

$$\begin{array}{r} 1) \quad 79 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 88 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 48 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 34 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 35 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 56 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 78 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 64 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 25 \\ \times 30 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 94 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 85 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 11 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 58 \\ \times 40 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 34 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 73 \\ \times 60 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 56 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 56 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 16 \\ \times 80 \\ \hline \end{array}$$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____

16×23
 $\xrightarrow{10+6}$
 $(\underline{23} \times \underline{10}) + (\underline{23} \times \underline{6})$

| | | |
|-----|-------|-------|
| 10 | 6 | |
| 230 | + 138 | = 368 |

$$\begin{array}{r}
 230 \\
 + 138 \\
 \hline
 368
 \end{array}$$

14×52
 $(\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

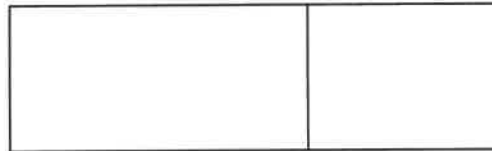
| | |
|--|--|
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12×36
 $(\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

| | |
|--|--|
| | |
|--|--|

13 x 43

$$(__ \times __) + (__ \times __)$$



15 x 16

$$(__ \times __) + (__ \times __)$$

