

ADDING 2 DIGITS - HELP

WERE GOING TO LEARN HOW TO ADD NUMBERS WITH TWO DIGITS.

OK, BUT BEFORE WE START WHY DON'T YOU TELL US WHAT A DIGIT IS.

OH, THAT PROBABLY WOULD BE A GREAT IDEA. DIGITS ARE THE NUMBERS INSIDE THE ACTUAL NUMBER.

WELL, NOW YOU TOTALLY LOST ME.

BEFORE ANYONE ELSE PANICS, CHECK OUT THIS EXAMPLE.

I GET IT. THE NUMBER IS 375, AND THE DIGITS ARE 3, 7, AND 5.

OK, NOW THAT WE CLEARED THAT UP, LET'S TAKE A LOOK AT HOW WE CAN ADD BIGGER NUMBERS.

WE CAN REWRITE ADDITION PROBLEMS ON TOP OF EACH OTHER.

$$\begin{array}{r} 3 \\ + 5 \\ \hline 8 \end{array}$$

YES, AND THIS WILL HELP US SOLVE BIGGER NUMBERS. CHECK OUT THE NEXT EXAMPLE.

I RAN OUT OF FINGERS. SO MAX, HOW DO WE SOLVE THIS?

$$\begin{array}{r} 47 \\ + 31 \\ \hline \end{array}$$

IT'S ACTUALLY QUITE SIMPLE. ALL WE NEED TO DO IS START ON THE RIGHT AND ADD DOWN LIKE WE DID ABOVE.

DO YOU SEE HOW WE FIRST ADDED 7 + 1, WHICH EQUALS 8? THEN WE MOVED TO THE LEFT AND ADDED 4 + 3, WHICH EQUALS 7. SO THE ANSWER IS 78.

$$\begin{array}{r} 47 \\ + 31 \\ \hline 78 \end{array}$$

ADDING 2 DIGITS - PRACTICE A

WE START ON THE RIGHT, WHICH WOULD BE 3 + 6 = 9. THEN WE MOVE TO THE LEFT AND ADD 6 AND 2, WHICH EQUALS 8.

HELPFUL EXAMPLE

$$\begin{array}{r} 63 \\ + 26 \\ \hline \end{array} \Rightarrow \begin{array}{r} 63 \\ + 26 \\ \hline 9 \end{array} \Rightarrow \begin{array}{r} 63 \\ + 26 \\ \hline 89 \end{array}$$

START

ANSWER: 89

- | | | | |
|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| 1. $\begin{array}{r} 33 \\ + 40 \\ \hline 73 \end{array}$ | 2. $\begin{array}{r} 51 \\ + 11 \\ \hline 62 \end{array}$ | 3. $\begin{array}{r} 23 \\ + 52 \\ \hline 75 \end{array}$ | 4. $\begin{array}{r} 17 \\ + 32 \\ \hline 49 \end{array}$ |
| 5. $\begin{array}{r} 42 \\ + 25 \\ \hline 67 \end{array}$ | 6. $\begin{array}{r} 55 \\ + 12 \\ \hline 67 \end{array}$ | 7. $\begin{array}{r} 84 \\ + 14 \\ \hline 98 \end{array}$ | 8. $\begin{array}{r} 40 \\ + 21 \\ \hline 61 \end{array}$ |
| 9. $\begin{array}{r} 37 \\ + 21 \\ \hline 58 \end{array}$ | 10. $\begin{array}{r} 64 \\ + 23 \\ \hline 87 \end{array}$ | 11. $\begin{array}{r} 41 \\ + 31 \\ \hline 72 \end{array}$ | 12. $\begin{array}{r} 17 \\ + 51 \\ \hline 68 \end{array}$ |
| 13. $\begin{array}{r} 23 \\ + 32 \\ \hline 55 \end{array}$ | 14. $\begin{array}{r} 55 \\ + 34 \\ \hline 89 \end{array}$ | 15. $\begin{array}{r} 35 \\ + 40 \\ \hline 75 \end{array}$ | 16. $\begin{array}{r} 13 \\ + 10 \\ \hline 23 \end{array}$ |
| 17. $\begin{array}{r} 30 \\ + 46 \\ \hline 76 \end{array}$ | 18. $\begin{array}{r} 40 \\ + 50 \\ \hline 90 \end{array}$ | 19. $\begin{array}{r} 16 \\ + 32 \\ \hline 48 \end{array}$ | 20. $\begin{array}{r} 71 \\ + 18 \\ \hline 89 \end{array}$ |
| 21. $\begin{array}{r} 42 \\ + 17 \\ \hline 59 \end{array}$ | 22. $\begin{array}{r} 52 \\ + 25 \\ \hline 77 \end{array}$ | 23. $\begin{array}{r} 63 \\ + 36 \\ \hline 99 \end{array}$ | 24. $\begin{array}{r} 50 \\ + 29 \\ \hline 79 \end{array}$ |

ADDING 2 DIGITS - PRACTICE B

DO YOU SEE HOW WE CAN REWRITE ADDITION PROBLEMS TO MAKE THEM EASIER TO SOLVE?

HELPFUL EXAMPLE

$$23 + 53 = \begin{array}{r} 23 \\ + 53 \\ \hline \end{array} \Rightarrow \begin{array}{r} 23 \\ + 53 \\ \hline 6 \end{array} \Rightarrow \begin{array}{r} 23 \\ + 53 \\ \hline 76 \end{array}$$

1. $51 + 40 = 91$ 2. $8 + 71 = 79$ 3. $26 + 12 = 38$

LINE UP NUMBERS.

$$\begin{array}{r} 51 \\ + 40 \\ \hline 91 \end{array}$$

$$\begin{array}{r} 8 \\ + 71 \\ \hline 79 \end{array}$$

$$\begin{array}{r} 26 \\ + 12 \\ \hline 38 \end{array}$$

4. $15 + 32 = 47$ 5. $61 + 17 = 78$ 6. $6 + 53 = 59$

MAKE SURE YOU LINE UP THE NUMBERS CORRECTLY.

7. $45 + 13 = 58$ 8. $61 + 21 = 82$ 9. $47 + 32 = 79$
10. $51 + 24 = 75$ 11. $32 + 34 = 66$ 12. $20 + 50 = 70$
13. $21 + 7 = 28$ 14. $41 + 32 = 73$ 15. $17 + 72 = 89$
16. $55 + 11 = 66$ 17. $42 + 46 = 88$ 18. $32 + 23 = 55$

ADDING 2 DIGITS - PRACTICE C

- | | | | | |
|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| 1. $\begin{array}{r} 40 \\ + 27 \\ \hline 67 \end{array}$ | 2. $\begin{array}{r} 18 \\ + 61 \\ \hline 79 \end{array}$ | 3. $\begin{array}{r} 43 \\ + 25 \\ \hline 68 \end{array}$ | 4. $\begin{array}{r} 33 \\ + 42 \\ \hline 75 \end{array}$ | 5. $\begin{array}{r} 67 \\ + 31 \\ \hline 98 \end{array}$ |
| 6. $\begin{array}{r} 51 \\ + 11 \\ \hline 62 \end{array}$ | 7. $\begin{array}{r} 25 \\ + 33 \\ \hline 58 \end{array}$ | 8. $\begin{array}{r} 41 \\ + 22 \\ \hline 63 \end{array}$ | 9. $\begin{array}{r} 40 \\ + 50 \\ \hline 90 \end{array}$ | 10. $\begin{array}{r} 42 \\ + 42 \\ \hline 84 \end{array}$ |
| 11. $\begin{array}{r} 37 \\ + 62 \\ \hline 99 \end{array}$ | 12. $\begin{array}{r} 23 \\ + 42 \\ \hline 65 \end{array}$ | 13. $\begin{array}{r} 50 \\ + 24 \\ \hline 74 \end{array}$ | 14. $\begin{array}{r} 41 \\ + 17 \\ \hline 58 \end{array}$ | 15. $\begin{array}{r} 34 \\ + 23 \\ \hline 57 \end{array}$ |
| 16. $30 + 8 = 38$ | 17. $42 + 51 = 93$ | 18. $15 + 53 = 68$ | | |
| 19. $51 + 42 = 93$ | 20. $23 + 22 = 45$ | 21. $42 + 16 = 58$ | | |
| 22. $72 + 24 = 96$ | 23. $33 + 55 = 88$ | 24. $5 + 62 = 67$ | | |
| 25. $37 + 21 = 58$ | 26. $7 + 92 = 99$ | 27. $81 + 10 = 91$ | | |