

The result of addition is called a **sum**.



EXAMPLE | Add $25 + 34$.

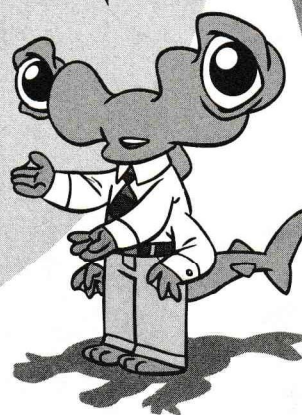
25 is 2 tens and 5 ones.
34 is 3 tens and 4 ones.

So, adding $25 + 34$ gives
 $2 + 3 = 5$ tens and $5 + 4 = 9$ ones.

5 tens is 50, so 5 tens and 9 ones is $50 + 9 = 59$.

$$\begin{array}{r} 2 \quad 3 \\ \text{tens} + \text{tens} = 5 \\ \text{tens} \\ \hline 25 + 34 = 50 + 9 = 59 \\ \hline 5 \quad 4 \\ \text{ones} + \text{ones} = 9 \\ \text{ones} \end{array}$$

To find a sum, we can add the place values separately.



PRACTICE | Fill the empty blanks to find each sum below.

1. $32 + 56 = \underline{80} + \underline{8} = \underline{\quad}$
2. $13 + 51 = \underline{\quad} + \underline{4} = \underline{\quad}$
3. $62 + 34 = \underline{90} + \underline{\quad} = \underline{\quad}$
4. $54 + 21 = \underline{\quad} + \underline{\quad} = \underline{\quad}$
5. $217 + 461 = \underline{600} + \underline{\quad} + \underline{\quad} = \underline{\quad}$
6. $47 + 32 = \underline{\quad}$
7. $61 + 25 = \underline{\quad}$
8. $136 + 53 = \underline{\quad}$
9. $64 + 315 = \underline{\quad}$
10. $250 + 37 = \underline{\quad}$
11. $270 + 604 = \underline{\quad}$
12. $316 + 260 = \underline{\quad}$

EXAMPLE | Add $73+84$.

73 is 7 tens and 3 ones.
84 is 8 tens and 4 ones.

So, adding $73+84$ gives
 $7+8 = 15$ tens and $3+4 = 7$ ones.

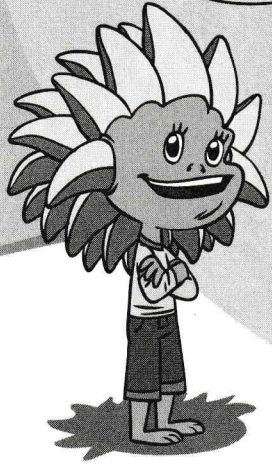
15 tens is the same as 1 hundred
and 5 tens, or 150.

$$\begin{array}{r} 7 \quad 8 \\ \text{tens} + \text{tens} = 15 \\ \text{tens} \\ \hline 73 + 84 = 150 + 7 = 157 \\ \hline 3 \quad 4 \\ \text{ones} + \text{ones} = 7 \\ \text{ones} \end{array}$$

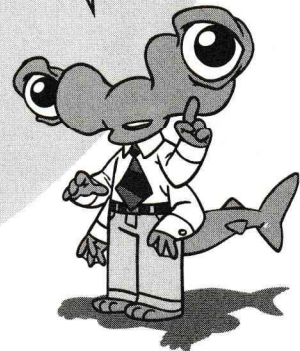
So, $73+84 = 150+7 = 157$.

We can only have one digit in each place value.

So, sometimes we need to **regroup**.



10 ones make 1 ten, and 10 tens make 1 hundred.



PRACTICE | Fill the empty blanks to find each sum below.

13. $43+83 = \underline{120} + \underline{6} = \underline{\quad}$

14. $72+46 = \underline{\quad} + \underline{8} = \underline{\quad}$

15. $54+19 = \underline{60} + \underline{\quad} = \underline{\quad}$

16. $36+28 = \underline{50} + \underline{\quad} = \underline{\quad}$

17. $71+83 = \underline{\quad} + \underline{4} = \underline{\quad}$

18. $59+39 = \underline{80} + \underline{\quad} = \underline{\quad}$

19. $52+81 = \underline{\quad} + \underline{\quad} = \underline{\quad}$

20. $67+28 = \underline{\quad} + \underline{\quad} = \underline{\quad}$

21. $38+83 = \underline{\quad} + \underline{\quad} = \underline{\quad}$

22. $85+65 = \underline{\quad} + \underline{\quad} = \underline{\quad}$

23.

24.

25.

26.

27.

28.

29.

30.

PRACTICE | Fill the empty blanks to find each sum below.

23. $223 + 195 = \underline{300} + \underline{110} + \underline{8} = \underline{\quad}$

24. $528 + 345 = \underline{800} + \underline{60} + \underline{\quad} = \underline{\quad}$

25. $393 + 461 = \underline{700} + \underline{\quad} + \underline{4} = \underline{\quad}$

26. $315 + 167 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

27. $248 + 590 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

28. $273 + 64 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

29. $883 + 109 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

30. $555 + 346 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

Fill the empty boxes so that the sums from left-to-right and from top-to-bottom are all correct.



EXAMPLE

Complete the Cross-Number puzzle below.

	+	34	=	54
+		+		+
21	+	23	=	
=		=		=
	+		=	

Across:

Down:

$20 + 34 = 54.$

$20 + 21 = 41.$

$21 + 23 = 44.$

$34 + 23 = 57.$

$41 + 57 = 98.$

$54 + 44 = 98.$

The completed Cross-Number puzzle is shown on the right.

20	+	34	=	54
+		+		+
21	+	23	=	44
=		=		=
41	+	57	=	98

Find more Cross-Number puzzles at BeastAcademy.com.

PRACTICE

Complete each Cross-Number puzzle below.

31.

10	+	11	=	
+		+		+
15	+	12	=	
=		=		=
	+		=	

32.

70	+	20	=	
+		+		+
110	+	40	=	
=		=		=
	+		=	

PRACTICE | Complete each Cross-Number puzzle below.

33.

40	+	36	=	
+		+		+
37	+	20	=	
=		=		=
	+		=	

34.

22	+	34	=	
+		+		+
45	+	41	=	
=		=		=
	+		=	

35.

127	+	60	=	
+		+		+
40	+	172	=	
=		=		=
	+		=	

36.

32	+		=	62
+		+		+
41	+	44	=	
=		=		=
	+		=	

37.
★

120	+	70	=	
+		+		+
30	+		=	
=		=		=
	+		=	260

38.
★

191	+		=	
+		+		+
	+	212	=	335
=		=		=
	+		=	827