

# Group 4 Guide

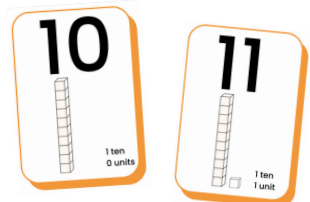
## Warm Up

For the remaining groups, it is recommended you begin with a brief overview of 3-4 of the following counting patterns and addition facts, both to check your child is remembering these and can move on (i.e., they are confident, correct and quick) as well as providing the necessary practice to help them remember these quickly.

- Count forwards as far as you can go
- Count backwards, from 20/30 ...
- (Using a numeral card) What number?
- (Using a numeral card) Show me # fingers/counters ...?
- Write the numeral #
- (Using a numeral card) What's the next number?
- (Using a numeral card) What's the next next number?
- Count by 2s / 5s / 10s / 20s
- (Using addition cards from previous groups +1 +2 +0) What's the total of # and #?
- (Using same addition cards, swap order) Only the order has changed, what's the total without counting?
- In addition we can change the order of the numbers without changing the ... (total)
- When we add 1 we ... (your child finishes the sentence, e.g. count next number)
- When we add 2 we ... (e.g. count next next number)
- When we add 0 we ... (e.g. count nothing because we've added nothing)

## Teen Number Place Value Review

Print and cut the place value teen cards from the Group 4 Downloads. If you have blocks at home you can make these representations as well (e.g., single interlocking blocks or 2cm wooden blocks from discount stores work well here).



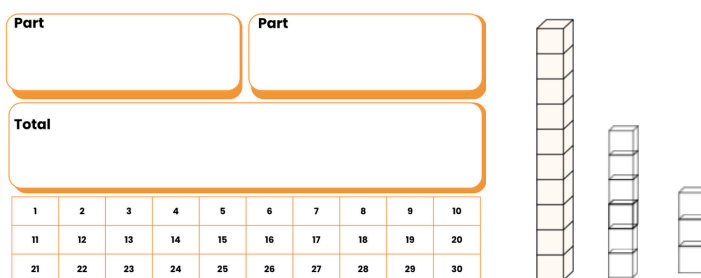
1. Beginning with the 10 card, say "This is 10, it is made up of 10 blocks, known as a ten."
2. Then show the 11 card, say "This is 11, it is made up of a ten and one more." (point and show the blocks as you say the script).
3. Then show the 12 card, say "This is 12, it is made up of a ten and two more."
4. Then select another card and cover the place value picture and ask, "This is 14, what is it made up of?" Confirm or correct.
5. Continue until your child is confident, correct and quick in recognising the place value of the teen numbers - they need this to add 10.

## Adding 10 – only the tens change by just one 10

Using the Part-Part-Total Counting Grid in the downloads for Group 4 (or draw this on a whiteboard or piece of paper), you'll model a few +10 additions before introducing the addition fact rule.

*Please note a counting grid is more helpful in understanding +10 and 10+, we have included a longer number line in the downloads if your child prefers.*

You can use counters as you have been in previous groups, blocks if you have enough blocks to make a column of 10 and have singles spare, or you can make another copy of the place value cards and cut up the place value blocks to use (see image below)



1. Say, "When we add numbers, we combine parts for a total."
2. Make the algorithm  $8 + 10 =$  with the number cards, or write this on the whiteboard or paper you're using.
3. Place 8 counters in the first box, and 10 counters (or a row of 10) in the second and say, "Here are parts, 8 and 10." Your child can count to confirm..
4. Say, "When we combine these, we find the total, this is addition". Move all the counters down to the total box below the parts.
5. Ask, "What is the total of 8 and 10? This is just like our teen numbers of 10 and 8 more." Confirm or correct, "Yes that's right when we add 8 and 10 the total is 18, because we've only added a ten, and no units".
6. Then place a counter on number 8 on the counting grid and say, "We can also add using a counting grid, we start at 8 again, this is our first part, and we add 10 more". Lift the counter 10 more times to reach 18.
7. Now say, "The counter has moved down only one row, each row on the counting grid has 10 boxes. Let's count."

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

$$8 + 10 =$$

$$8 + 10 = 18$$

1. Say, "Only the tens change by just one 10 when we add 10 to any number."
2. Say, "Eight plus ten is eighteen"
3. Repeat for another combination, for example,  $3 + 10$ , then  $10 + 5$  ...

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## Reviewing 10+ and +10 Facts

Use the flashcards available in the Group 4 downloads to create the addition facts for practice with your child. Your child can use the cards to create the answers, say them aloud, or write them down.

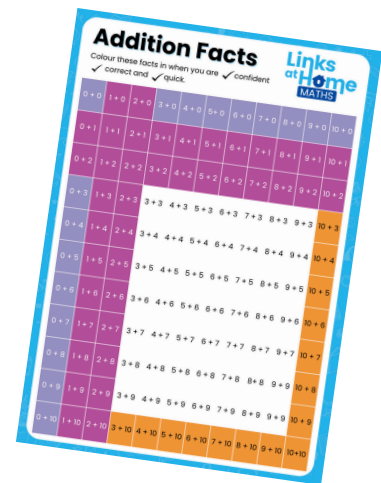
After three to four successful attempts, start to include the previous addition facts (1, 2 & 0) in this practice as well.

## Recording and Celebrating Success

When your child is confident, correct and quick recalling 10+ and +10 addition facts, it is time to record and celebrate their success.

There are new facts they can colour in.

Your child has now begun to know and remember 72 addition facts, this is over half the addition facts they will ever need!



## Remembering Addition Facts

You've begun to help your child understand addition facts by providing them with an explanation, a way to remember these facts, "+10 changes by just one ten." With continued practice, saying the answers, writing the answers, playing games with these facts, our goal is that your child **remembers** these facts, without always needing the memory clues we're providing them.

To help you with this, in each group download you'll find:

- addition practice sheets once your child is confidently, correctly and quickly saying the answers aloud.
- games to play to continue to practice these facts.