



# Steps 9 and 10

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- 11 times table
- 12 times table
- counting in  $\frac{1}{2}$  halves and  $\frac{1}{4}$  quarters

## Step 10

- Mix of all number facts in a combination test

### 11 times table

Children should learn their 11 times table and be able to recall facts out of sequence.

For example:  $11 \times 7 = \underline{\quad}$   $12 \times 11 = \underline{\quad}$

They should also know how many lots of 11 make a given answer.

For example:  $\underline{\quad} \times 11 = 66$   $\underline{\quad} \times 11 = 121$

### 12 times table

Children should learn their 12 times table and be able to recall facts out of sequence.

For example:  $8 \times 12 = \underline{\quad}$   $4 \times 12 = \underline{\quad}$

They should also know how many lots of 12 make a given answer.

For example:  $\underline{\quad} \times 10 = 120$   $\underline{\quad} \times 12 = 72$

### Counting in $\frac{1}{2}$ (halves) and $\frac{1}{4}$ (quarters)

Children should understand that 2  $\frac{1}{2}$ s make a whole (1) and 4 quarters make a whole (1) and be able to count in both.

For example  $\frac{1}{2}$ s: ( $\frac{1}{2}$ , 1,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$  -  $\underline{\quad}$   $\underline{\quad}$ ) continue until 10.

Children should be able to start at  $\frac{1}{4}$ : ( $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$ , and  $1\frac{1}{2}$ ) and continue until 5.

Children should be able to count forwards and backwards from any given number.

**To extend: Children can be tested on in groups of halves or quarters.**

**5 halves =  $2\frac{1}{2}$ , 7 quarters =  $1\frac{3}{4}$**



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## Activity ideas:

**Pairs** - write number facts on cards and take turns in choosing two cards. If they match you keep the cards. For example:  $12 \times 6$  would match 72, 5 eevens,  $? \times 12 = 36$  would match with 3. If playing halves and quarters this could 3  $\frac{1}{2}$ s matching up with  $1\frac{1}{2}$ .

**Snap** - write number facts on cards and take turns in placing card facing up. If they match the first player to notice and place hand on the cards keeps them.

**Count in real items** - When having cake or pizza that has been cut up, challenge your children to count the halves and quarters (these can be drawn).

**Quick thinking** - Ask a question and walk towards your child. They have to answer before you get to them.

**Sequences** - Make sequences with missing numbers

e.g.  $\frac{1}{4}$ ,  $\frac{1}{2}$ , ———, ———,  $1\frac{1}{4}$

## Websites:

<http://www.topmarks.co.uk/maths-games/hit-the-button>

(Timetables or halves)

[http://www.mad4maths.com/multiplication\\_table\\_math\\_games/](http://www.mad4maths.com/multiplication_table_math_games/)

<http://www.topmarks.co.uk/maths-games/7-11-years/times-tables>

<http://www.learnyourtables.co.uk/>

<http://www.snappymaths.com/counting/fractions/interactive/halfquartersimm/halfquartersimm.htm>

<http://urbrainy.com/get/1342/counting-in-halves-and-quarters-9680>

## Step 10

Ensure your child can recall and complete any of the above number facts and tasks from the complete list. Ensure all questions are well mixed up!