

Number Facts to 10

Year 1 and 2 children should work towards quick recall of the following number facts:

$$\begin{aligned}1 + 0 &= 1 \\2 + 0 &= 2 \\3 + 0 &= 3 \\4 + 0 &= 4 \\5 + 0 &= 5 \\6 + 0 &= 6 \\7 + 0 &= 7 \\8 + 0 &= 8 \\9 + 0 &= 9 \\10 + 0 &= 10\end{aligned}$$

$$\begin{aligned}1 + 1 &= 2 \\2 + 1 &= 3 \\3 + 1 &= 4 \\4 + 1 &= 5 \\5 + 1 &= 6 \\6 + 1 &= 7 \\7 + 1 &= 8 \\8 + 1 &= 9 \\9 + 1 &= 10\end{aligned}$$

$$\begin{aligned}2 + 2 &= 4 \\3 + 2 &= 5 \\4 + 2 &= 6^* \\5 + 2 &= 7^* \\6 + 2 &= 8^* \\7 + 2 &= 9^* \\8 + 2 &= 10\end{aligned}$$

$$\begin{aligned}3 + 3 &= 6 \\4 + 3 &= 7^* \\5 + 3 &= 8^* \\6 + 3 &= 9^* \\7 + 3 &= 10\end{aligned}$$

$$\begin{aligned}4 + 4 &= 8 \\4 + 5 &= 9 \\5 + 5 &= 10\end{aligned}$$

Number bonds to 10*:

$$\begin{array}{ll}0+10=10 & 6+4=10 \\1+9=10 & 7+3=10 \\2+8=10 & 8+2=10 \\3+7=10 & 9+1=10 \\4+6=10 & 10+0=10 \\5+5=10 & \end{array}$$

Reverse these for subtraction eg: $4 + 3 = 7, 7 - 3 = 4$
 $8 + 2 = 10, 10 - 2 = 8$

Addition and subtraction bonds can then be extended to 20 in the same way, eg $11 + 9 = 20$
 $12 + 8 = 20$
 $13 + 7 = 20$ etc

For an explanation about * items, see Learn Its information.

Doubles and Halves

Doubles and corresponding halves:

$$\begin{aligned}1 + 1 &= 2^* \\2 + 2 &= 4^* \\3 + 3 &= 6^* \\4 + 4 &= 8^* \\5 + 5 &= 10^* \\6 + 6 &= 12^* \\7 + 7 &= 14^* \\8 + 8 &= 16^* \\9 + 9 &= 18^* \\10 + 10 &= 20^*\end{aligned}$$

$$\begin{aligned}\frac{1}{2} \text{ of } 2 &= 1 \\ \frac{1}{2} \text{ of } 4 &= 2 \\ \frac{1}{2} \text{ of } 6 &= 3 \\ \frac{1}{2} \text{ of } 8 &= 4 \\ \frac{1}{2} \text{ of } 10 &= 5 \\ \frac{1}{2} \text{ of } 12 &= 6 \\ \frac{1}{2} \text{ of } 14 &= 7 \\ \frac{1}{2} \text{ of } 16 &= 8 \\ \frac{1}{2} \text{ of } 18 &= 9 \\ \frac{1}{2} \text{ of } 20 &= 10\end{aligned}$$

Counting*

Count forwards and back in steps of 1, 2, 5 and 10 eg 2, 4, 6, 8, 10, 12.....
20, 18, 16, 14, 12

Multiplication

$$\begin{aligned}0 \times 2 &= 0 \\1 \times 2 &= 2 \\2 \times 2 &= 4 \\3 \times 2 &= 6 \\4 \times 2 &= 8 \\5 \times 2 &= 10 \\6 \times 2 &= 12 \\7 \times 2 &= 14 \\8 \times 2 &= 16 \\9 \times 2 &= 18 \\10 \times 2 &= 20\end{aligned}$$

$$\begin{aligned}0 \times 10 &= 0 \\1 \times 10 &= 10 \\2 \times 10 &= 20 \\3 \times 10 &= 30 \\4 \times 10 &= 40 \\5 \times 10 &= 50 \\6 \times 10 &= 60 \\7 \times 10 &= 70 \\8 \times 10 &= 80 \\9 \times 10 &= 90 \\10 \times 10 &= 100\end{aligned}$$

$$\begin{aligned}0 \times 5 &= 0 \\1 \times 5 &= 5 \\2 \times 5 &= 10 \\3 \times 5 &= 15 \\4 \times 5 &= 20 \\5 \times 5 &= 25 \\6 \times 5 &= 30 \\7 \times 5 &= 35 \\8 \times 5 &= 40 \\9 \times 5 &= 45 \\10 \times 5 &= 50\end{aligned}$$

(For higher ability children)

$$\begin{aligned}0 \times 3 &= 0 \\1 \times 3 &= 3 \\2 \times 3 &= 6 \\3 \times 3 &= 9 \\4 \times 3 &= 12 \\5 \times 3 &= 15 \\6 \times 3 &= 18 \\7 \times 3 &= 21 \\8 \times 3 &= 24 \\9 \times 3 &= 27 \\10 \times 3 &= 30\end{aligned}$$