



Maths Key Fluency Facts

Year 4 – Spring 1

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

- I know number bonds to 100.
- I know the multiplication and division facts for the 3, 6 and 12 times tables.
- I know doubles and halves of all numbers to 50.

60+40=100	40+60=100	100-40=60	100-60=40	6x1=6	1x6=6	6÷6=1	6÷1=6	1 ↔ 2	11 ↔ 22	21 ↔ 42	31 ↔ 62	41 ↔ 82
75+25=100	25+75=100	100-75=25	100-25=75	6x2=12	2 x 6 =12	12÷6=2	12÷2=6	2 ↔ 4	12 ↔ 24	22 ↔ 44	32 ↔ 64	42 ↔ 84
37+63=100	63+37=100	100-37=63	100-63=37	6x3=18	3x 6 =18	18÷6=3	18÷3=6	3 ↔ 6	13 ↔ 26	23 ↔ 46	33 ↔ 66	43 ↔ 86
48+52=100	52+48=100	100-48=52	100-52=48	6x4=24	4x 6 =24	24÷6=4	24÷4=6	4 ↔ 8	14 ↔ 28	24 ↔ 48	34 ↔ 68	44 ↔ 88
				6x5=30	5x 6 =30	30÷6=5	30÷5=6	5 ↔ 10	15 ↔ 30	25 ↔ 50	35 ↔ 70	45 ↔ 90
				6x6=36	6x 6 =36	36÷6=6	36÷6=6	6 ↔ 12	16 ↔ 32	26 ↔ 52	36 ↔ 72	46 ↔ 92
				6x7=42	7x 6 =42	42÷6=7	42÷7=6	7 ↔ 14	17 ↔ 34	27 ↔ 54	37 ↔ 74	47 ↔ 94
				6x8=48	8x 6 =48	48÷6=8	48÷8=6	8 ↔ 16	18 ↔ 36	28 ↔ 56	38 ↔ 76	48 ↔ 96
				6x9=54	9x 6 =54	54÷6=9	54÷9=6	9 ↔ 18	19 ↔ 38	29 ↔ 58	39 ↔ 78	49 ↔ 98
				6x10=60	10x 6 =60	60÷6=10	60÷10=6	10 ↔ 20	20 ↔ 40	30 ↔ 60	40 ↔ 80	50 ↔ 100
				6x11=66	11x 6 =66	66÷6=11	66÷11=6					
				6x12=72	12x 6 =72	72÷6=12	72÷12=6					
Repeat this pattern for x 3 and x 12												
Key Vocabulary add, take away, more than, less than, difference multiply, divide, multiple double, halve, half, twice,												

Challenges:

- answer questions including missing number questions e.g. $49 + \bigcirc = 100$ or $100 - \bigcirc = 72$.
- If $3 \times 6 = 18$ what is 3×60 ? What is 30×60 ? What is $180 \div 3$?
- double and halve numbers higher than 100; double and halve numbers with one decimal place e.g. 2.6

Top Tips

The secret to success is practising little and often. Use time wisely. Can you practise these while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day? If you would like more ideas, please speak to your child's teacher.

- Buy one get three free - If your child knows one fact (e.g. $8 + 5 = 13$; $3 \times 6 = 18$), can they tell you the other three facts in the same fact family?
- Use number bonds to 10 - How can number bonds to 10 help you work out number bonds to 100?
- Double your threes – Multiplying a number by 6 is the same as multiplying by 3 and then doubling the answer. $7 \times 3 = 21$ and double 21 is 42, so $7 \times 6 = 42$.
- Play games – There are missing number questions at www.conkermaths.com. See how many questions you can answer in just 90 seconds. There is also a number bond pair game to play
- Lots of quick fire number fact recall games on <http://www.topmarks.co.uk/maths-games/hit-the-button>