

**I know the sums and differences of all pairs of multiples of 10, 100 and 1000 and what to add to any three-digit number to make the next multiple of 100. I also know doubles of numbers 1 to 100 and corresponding halves and doubles of multiples of 10 and 100 and corresponding halves.**

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

$30 + 80 = 110$

$521 + \bigcirc = 600$

$60 \times 2 = 120$

$50 + 70 = 120$

$479 + \bigcirc = 500$

$170 \times 2 = 340$

$120 - 40 = 80$

$355 + \bigcirc = 400$

$560 \times 2 = 1120$

$240 - 150 = 90$

$872 + \bigcirc = 900$

$160 \div 2 = 80$

$400 + 500 = 900$

$788 + \bigcirc = 800$

$240 \div 2 = 120$

$800 + 700 = 1500$

$964 + \bigcirc = 1000$

$380 \div 2 = 190$

$1200 - 800 = 400$

$213 + \bigcirc = 300$

$400 \times 2 = 800$

$1700 - 900 = 800$

$38 \times 2 = 76$

$600 \times 2 = 1200$

$3000 + 7000 = 10,000$

$64 \times 2 = 128$

$900 \times 2 = 1800$

$4000 + 9000 = 13,000$

$72 \div 2 = 36$

$800 \div 2 = 400$

$14,000 - 5000 = 9000$

$96 \div 2 = 48$

$1600 \div 2 = 800$

$16,000 - 8000 = 8000$

$1200 \div 2 = 600$

**Key Vocabulary**

What do I **add** to 50 to make 120?

What do I **add** to 479 to make 500?

What is 1700 **take away** 900?

What is 500 **less than** 14,000?

**What is double 38?**

**What is half of 16,000?**

They should also be able to answer missing number questions e.g.  $4000 + \bigcirc = 1300$  or  $14,000 - \bigcirc = 9000$ .

**Top Tips**

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs 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.

Use what you already know – Encourage your child to find the connection between number bonds to 20 and number bonds of multiples of 10, 100 and 1000.

Ping Pong – In this game, the parent says, "Ping," and the child replies, "Pong." Then the parent says a two-digit number and the child says what you would add to it to make the next multiple of 100.

Practise online – Go to [www.conkermaths.com](http://www.conkermaths.com) and see how many questions you can answer in just 90 seconds.