

Target: Recall all decimal number bonds to 1 and 10.

By the end of this half term, children in Year 5 should know the following facts and be able to recall them instantly:

Some examples:

$$0.1 + 0.9 = 1$$

$$0.2 + 0.8 = 1$$

$$0.3 + 0.7 = 1$$

$$0.4 + 0.6 = 1$$

$$0.5 + 0.5 = 1$$

$$0.6 + 0.4 = 1$$

$$0.7 + 0.3 = 1$$

$$0.8 + 0.2 = 1$$

$$0.9 + 0.1 = 1$$

$$1 - 0.4 = 0.6$$

$$1 - 0.6 = 0.4$$

$$3.7 + 6.3 = 10$$

$$6.3 + 3.7 = 10$$

$$10 - 3.7 = 6.3$$

$$10 - 6.3 = 3.7$$

$$0.75 + 0.25 = 1$$

$$0.25 + 0.25 = 1$$

$$1 - 0.25 = 0.75$$

$$1 - 0.75 = 0.25$$

$$4.8 + 5.2 = 10$$

$$5.2 + 4.8 = 10$$

$$10 - 4.8 = 5.2$$

$$0.49 + \underline{\quad} = 1$$

$$10 - \underline{\quad} = 7.2$$

Key Questions

- What is ____ squared?
- What is ____ cubed?
- What is the square root of ____?
- What does 6^2 mean?

Vocabulary

- Decimals
- Add
- Subtract
- Number bonds
- Integer
- Tenths
- Hundredths
- Addend
- Sum

Top Tips

The secret to success? Practise little and often! Can you learn these on your way to school? On a car journey? Or even at the breakfast table? You don't need to learn them all at once: start with those you are more confident with before tackling the rest. Why not practise whilst keeping active? You could throw and catch or kick a ball whilst learning them!

Play games!

- Buy one get three free! If your child knows one fact (e.g. $0.7 + 0.3 = 1$), can they tell you the other three facts in the same fact family?
- Create a board game or a treasure hunt related to decimals.
- Make some cards with number bonds to 1 eg 0.34 on one side and 0.66 on the other - shuffle the cards, read the number on top and say the matching number bond (check your answer on the reverse)
- Play Ping Pong with a partner: A says Ping 0.52 then B responds Pong 0.48

Useful websites (games and information):

[Decimal Number Bonds to 1 Worksheets \(math-salamanders.com\)](http://math-salamanders.com)

[Decimal Number Bonds | Oak National Academy \(thenational.academy\)](https://thenational.academy)

[Decimals number bonds to 1 and 10 | Teaching Resources \(tes.com\)](https://tes.com)

[Conker Maths - Conker KIRFs - Number Bond Pairs](#)

[Decimal-number-bonds-to-1 worksheet | Live Worksheets](#)