Find the Numbers
Reasoning about Division

Adult Information: Children in year 2 are expected to know the multiplication facts in the 2x, 5x and 10x tables and the related division facts. They also learn about the relationship between multiplication and division and how each is the 'inverse' of the other. Once children are secure with their understanding of this, they are able to carry out more complex reasoning activities. Encourage your child to think about all the possible options and to be methodical; perhaps starting with the lowest numbers and working their way up. Children may stick to the times tables that they know well but may be able to see that the numbers can be divided in other ways. Providing objects such as buttons, beads or counters can help children to investigate different answers by grouping and sharing.

Find the Numbers
Reasoning about Division - Answers

Some of the numbers from these number sentences have been stolen! What numbers could they be? Write down all the possible answers.

$$8 \div \boxed{2} = \boxed{4}$$

$$15 \div \boxed{5} = \boxed{3}$$

$$30 \div \boxed{2} = \boxed{15}$$

$$30 \div \boxed{5} = \boxed{6}$$

$$30 \div \boxed{10} = \boxed{3}$$

Talk to children about any patterns they can see.

Find the Numbers
Reasoning about Division

Some of the numbers from these number sentences have been stolen! What numbers could they be? Write down all the possible answers.

8 ÷ ☐ = ☐

15 ÷ ☐ = ☐

30 ÷ ☐ = ☐

30 ÷ ☐ = ☐

30 ÷ ☐ = ☐

Can you divide the number by 2, 5 or 10? Try sharing them out equally to find out.

2 Groups

5 Groups

10 Groups