Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children build on their knowledge of counting in tens from year 1. They count groups of tens and write the multiplication calculation using the symbol.

How many doughnuts are in each box?

How many boxes are there?

What calculation could we write?

Why do we use the symbol ×?

How many doughnuts are there altogether?

Can you count in tens?

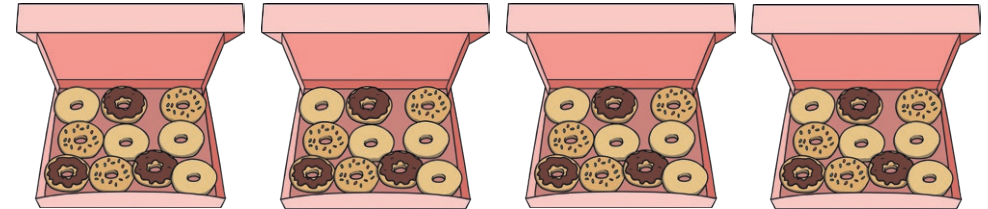What does 'in total' mean?

What is different about this calculation?

What does each note represent?

What does the symbol £ mean?

The 10 Times Table

Complete the statements.

10 × _____ = _____

There are _____ doughnuts altogether.

_____ = 10 × _____

There are _____ candles in total.

_____ × £10 = £ _____

There is £ _____ altogether.

Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children reason whether comparison statements are true or false.
They complete statements by choosing the correct numbers.

What do these symbols mean?

How can we find out if the statements are true?

How can we work out the answers?

Can you count in tens to help you?

Is that the correct symbol?

What symbols should have been used?

What number could go here to make this statement correct?

Can I write 10 × 4 > 10 × 5?

Why not?

How many groups of ten is 10 + 10?

Is 10 ×7 the same as 7 ×10? Why?

The 10 Times Table

True or false?

a)	2 × 10	>	5 × 10
b)	10 × 3	=	10 + 10 + 10
c)	10 + 10	=	10 × 1
d)	100	<	10 × 10
e)	10 × 0	<	10 × 8

Choose from the numbers 1 to 9 to make these statements correct.

f)	10 × _____	>	10 × _____
g)	10 × _____	=	10 + 10
h)	10 × _____	<	10 × 9
i)	10 × 7	=	_____ × 10

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children solve word problems by counting in tens. They write calculations using the multiplication symbol. They may choose to use concrete materials or draw jottings (bar model, number line, etc.) to help.

What do we know?

What is the important information?

What calculation can you write?

Why do we use the × symbol?

What method will you use to find the answer?
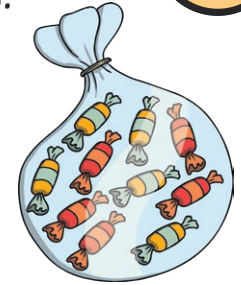
Could you use equipment?

Could you draw a jotting?

The 10 Times Table

Solve these problems.

a) There are 10 sweets in a packet. I buy 8 packets. How many sweets do I have?

b) Football cards come in packs of 10. Luisa collected 5 packs. James collected 8 packs. Who had the most cards? How many cards did they have?

c) Pavel had 10 children at his birthday party. He wanted to put 6 toys in each party bag. How many toys did he have to buy?

d) Lucas and Moses have 30 marbles altogether. They can put 10 in a pot. How many pots will they need?