Our Learning Keys

Multiplication and Division

Questions

How can you tell if groups are equal?

How does this array show repeated addition and multiplication?

What happens if you change the order of the numbers in multiplication?

Are all multiples of 10 even? How do you know?
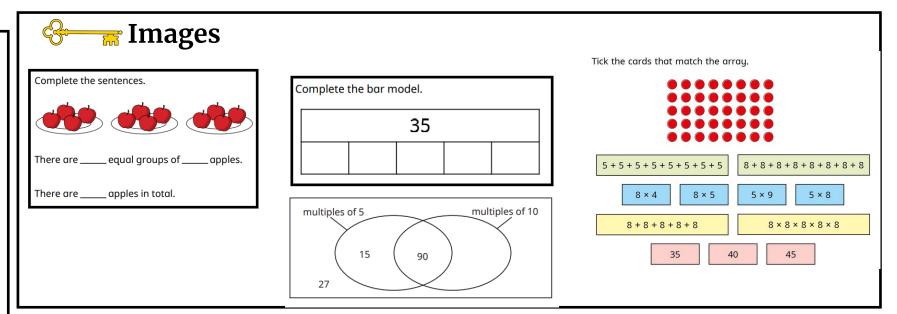
How can you share into equal groups?

How can you group the items into equal groups of…?

How could you show this using bar model?

Images

Complete the sentences.

There are _____ equal groups of _____ apples.

There are _____ apples in total.

Complete the bar model.

35

multiples of 5   multiples of 10

15   90

27

Tick the cards that match the array.

5 + 5 + 5 + 5 + 5 + 5 + 5   8 + 8 + 8 + 8 + 8 + 8 + 8 + 8

8 × 4   8 × 5   5 × 9   5 × 8

8 + 8 + 8 + 8 + 8   8 × 8 × 8 × 8 × 8

35   40   45

Links

Literacy: Simple sentence structure with stem sentences.

Science: Sorting (Venn diagrams)

Doors this will open…

Project Management

Pilot

Engineer

Vocabulary

Ones, tens, hundreds, thousands, intervals, base 10, part whole model, equal groups, grouping, sharing, product, multiples, commutability, even, odd.

Facts

I know that multiplication is the same as repeated addition using the same addends

I know that division can be completed by sharing or grouping items

I can multiply and divide by 2, 5 and 10.

I can multiply and divide by 3, 4 and 8.

I can represent multiplication and division calculations with concrete resources.

I can support multiplication and division calculations with pictorial representations.

I can recall multiplication facts quickly for the 2s, 5s and 10s.

I can recall multiplication facts quickly for the 3s, 4s and 8s.

Previously…

In Year 2, children will have looked at counting in jumps of 2, 3, 5 and 10. They will have looked at halves and doubles.

Year 3 Multiplication and

Next…

In Year 4, children will be looking at all multiplication tables. They will be multiplying and dividing 2 digit by 1 digit.