Pack 2 Session A
Talk Task: Describing equal groups

1. $3 \times 4 = 12$
2. $12 ÷ 3 = 4$
3. $4 \times 3 = 12$
4. $12 ÷ 4 = 3$

2. $2 \times 5 = 10$
3. $10 ÷ 2 = 5$
4. $5 \times 2 = 10$
5. $10 ÷ 5 = 2$
Pack 2 Session A

**Activity:** Describing equal groups

1) Write four calculations to describe the counters

\[ \times = \]
\[ \times = \]
\[ \div = \]
\[ \div = \]

2) Draw two different sets of counters to show the calculations

3 \times 7 = 21
7 \times 3 = 21
21 \div 7 = 3
21 \div 3 = 7

3) Table arrangements
   a) Between 30 and 40 people are sat at tables of 4. All the tables are full. How many tables could there be?

b) Between 40 and 60 people are sat at tables of 5. All the tables are full. How many tables could there be?

c) I need to seat 46 people. What are my options with the tables shown above?
Pack 2 Session B

**Talk Task: Multiplication situations**

Explain which model can represent each problem (there is more than one answer!)

**Problem 1:**
I have three lengths of rope. Each one is 4 metres long. How much rope do I have?

**Problem 2:**
I have 12 kg of sugar and divide it into 3 equal bags. How much sugar is in each bag?

**Problem 3:**
I have £4 and my brother has three times as much. How much money does my brother have?

**Problem 4:**
I exercise for 12 minutes and spend 4 minutes on each activity. How many activities do I complete?
### Problem: How many _______ are there in ___ weeks?

How many weeks is ___ days?

### Calculations:

$$3 \times \_ = \_ \quad \_ \times 3 = \_$$

$$\_ \div \_ = \_$$

### Model:

![Model](image)

### Answer:

There are ___ days in 3 weeks.

21 days is ___ weeks.

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### Problem: The total mass is 24 kilograms. Each weight is 4 kilograms in mass. How many weights are there?

### Calculations:

$$24 \div 4 = \_$$

$$4 \times \_ = 24$$

### Answer:

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### Problem: 18 litres is poured into 3 buckets so that there are equal amounts in each. How much liquid is in each bucket?

### Calculations:

### Answer:
Pack 2 Session C

Talk Task: Describing arrays

2 × 5 = 10
10 ÷ 2 = 5
5 × 2 = 10
10 ÷ 5 = 2

3 × 4 = 12
12 ÷ 3 = 4
4 × 3 = 12
12 ÷ 4 = 3
Pack 2 Session C

**Activity:** Multiplication and arrays

Write calculations that each array can represent.
Pack 2 Session D

Talk Task: Using multiplication to compare

I have 3 times more than you.

You have triple the amount I have.

I can buy something that is 3 times as expensive.

I have a third of the amount you have.

I would need to triple my money to have the same as you.

You have 3 times less than me.
Pack 2 Session D

Activity: Using multiplication to compare

1) Use multiplication to compare the amount each person has. What different sentences could each person say?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

2) An adult giraffe is 18 feet tall. It is 3 times taller than its calf.

How tall is the young giraffe? Label the model and write a sentence

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

3) A pack of 3 yoghurts cost £2.
A pack of 12 yoghurts costs £6.

Use multiplication to describe this situation in as many ways as you can.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________