Year 3 Maths

Steppingstone activity

Lesson 14

LO: To divide by two

1	2	3	4	5	6	7	8	9	10

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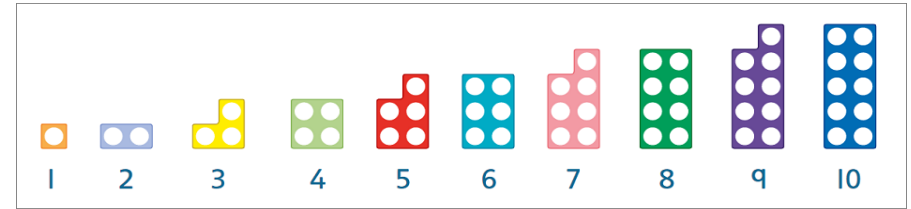
Success Criteria:

1. Find the amount of objects around your house (or draw them if you cannot find them)
2. Divide the objects into two piles (halve them)
3. Write your answers like this e.g. 6 ÷ 2 = 3   Half of 6 is 3

Model: Find 6 spoons

Divide 6 spoons by 2

6 ÷ 2 = 3   Half of 6 = 3

Think back to yesterday's work on **Odd and Even Numbers:**

What do you notice about the numbers we have been dividing today?

Do they have anything in common?

Find:

a) 8 books

b) 4 cushions

c) 10 pieces of pasta

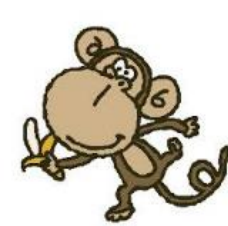d) 14 socks

e) 12 pegs/clips

f) 16 Lego bricks/small toys

g) 18 raisins

Chunky Chimp can use multiplication to solve divisions because multiplication and division are related: they are **inverse** operations.

Remember he is lazy so likes to jump in chunks to save time!

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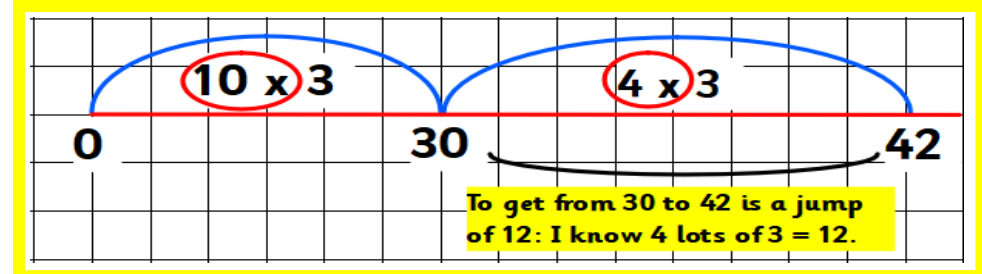
Success Criteria:

1.	Draw a line using a ruler
2.	Label 0 at the start
3.	Label the large number at end (e.g. 42 in 42 ÷ 3)
4.	Do a jump of x10 the divisor (i.e. in 42 ÷ 3 the divisor is 3)
5.	Mark down where your jump got you to on the number line (10 x 3 = 30)
6.	Jump in multiples of the divisor to the end (marking where you jump to on your line each time)
7.	Add up the jumps you did (e.g. 10 + 4 = 14) to find your answer

Model

42 ÷ 3 = 14
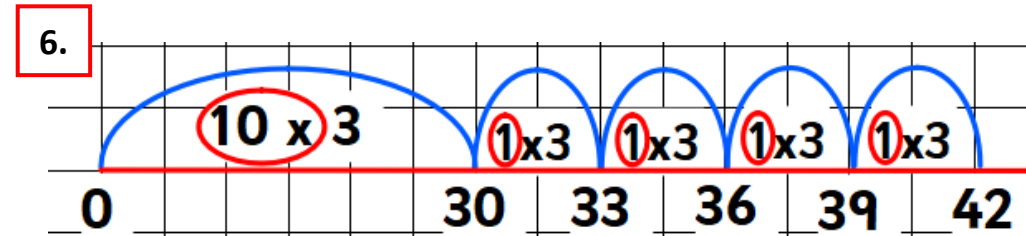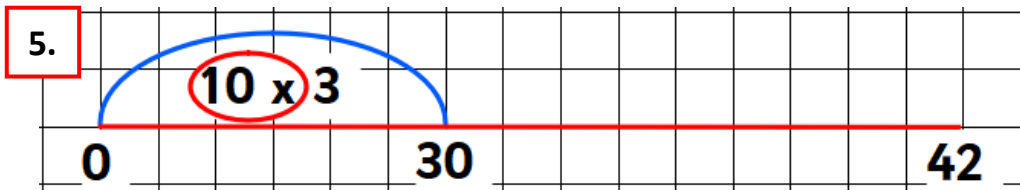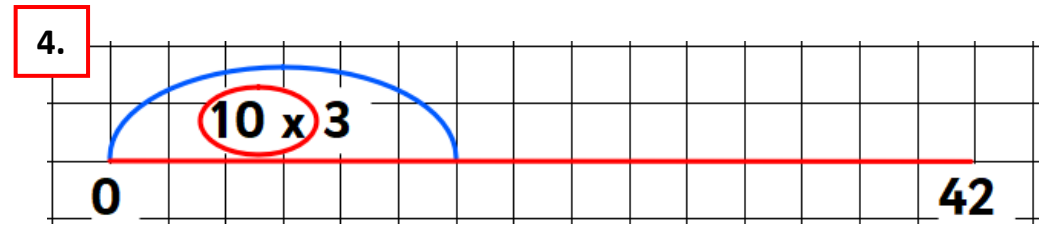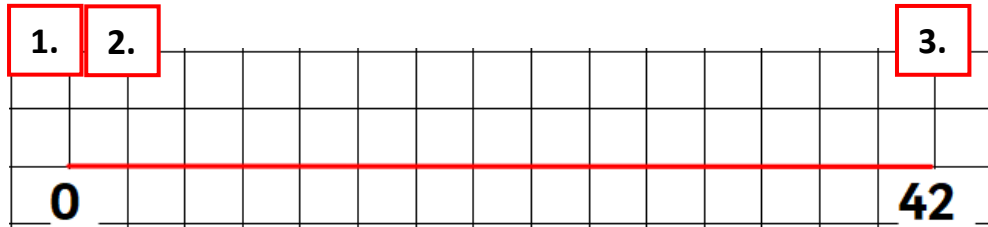
Lazy chunky chimp likes to do as few jumps as possible, see if you can chunk his small jumps together today.

To get from 30 to 42 is a jump of 12: I know 4 lots of 3 = 12.

Now you try: 36 ÷ 3

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Task 1	Task 2	Task 3
Practice **Use your knowledge of times tables to solve these divisions and multiplications:**	**Practice** **Use a number line to calculate these:**	**Problem solving** **Use multiplication or division to solve these word problems:**

Task 1 — Practice

Use your knowledge of times tables to solve these divisions and multiplications:

a) $3 \times 12 =$

b) $9 \times 2 =$

c) $24 \div 2 =$

d) $3 \times 11 =$

e) $56 \div 8 =$

f) $36 \div 6 =$

g) $5 \times 9 =$

h) $12 \times 4 =$

Task 2 — Practice

Use a number line to calculate these:

1. $56 \div 4 =$
2. $104 \div 8 =$
3. $75 \div 5 =$
4. $42 \div 3 =$
5. $68 \div 4 =$
6. $90 \div 5 =$
7. $112 \div 8 =$
8. $57 \div 3 =$
9. $128 \div 8 =$
10. $76 \div 4 =$
11. $144 \div 8 =$

Task 3 — Problem solving

Use multiplication or division to solve these word problems:

a) Clare and Dom lay out 52 chairs for lunch in the hall. They put 4 chairs round each table. How many tables do they have?

b) Jeff Bob and Jumanji have 32 bunches of four bananas. How many bananas do they have in total?

Work out the missing digits in these divisions:

c)

$\square\square \div 3 = 26$

d)

$68 \div \square = 17$