Homework/Extension
Step 4: The 3 Times Table

National Curriculum Objectives:

Mathematics Year 3: (3C6) Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
Mathematics Year 3: (3C7) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
Mathematics Year 3: (3C8) Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Find the odd one out from a variety of calculations using the 3 times table up to 12 x 3. Pictorial support given.
Expected Find the odd one out from a variety of calculations and representations using the 3 times table up to 12 x 3.
Greater Depth Find the odd one out from a variety of calculations and representations using the 3 times table up to 12 x 3 using a mixture of numerals and words.

Questions 2, 5 and 8 (Varied Fluency)
Developing Calculate the number of groups needed based on given information using the 3 times table up to 12 x 3. Pictorial support given.
Expected Calculate the number of groups needed based on given information using the 3 times table up to 12 x 3. Some scaffolding provided.
Greater Depth Calculate the number of groups needed based on given information using the 3 times table up to 12 x 3 with numbers given as words. No scaffolding provided.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Prove if a statement is correct using written calculations for the 3 times table up to 12 x 3. Pictorial support given.
Expected Prove if a statement is correct using written calculations for the 3 times table up to 12 x 3.
Greater Depth Prove if a statement is correct using written calculations for the 3 times table up to 12 x 3 using a mixture of numerals and words. No scaffolding provided.

More Year 3 Multiplication and Division resources.

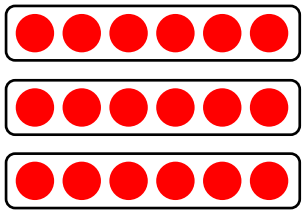
Did you like this resource? Don't forget to review it on our website.

The 3 Times Table

1. Use your knowledge of the 3 times table to find the odd one out.

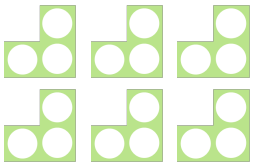
6 lots of 3 = ?

18 ÷ 3 = ?



2 lots of 3 = ?

6 x 3 = ?



D

VF
HW/Ext

2. Igor is packing up his bookshelf. He can put 3 books in each box.

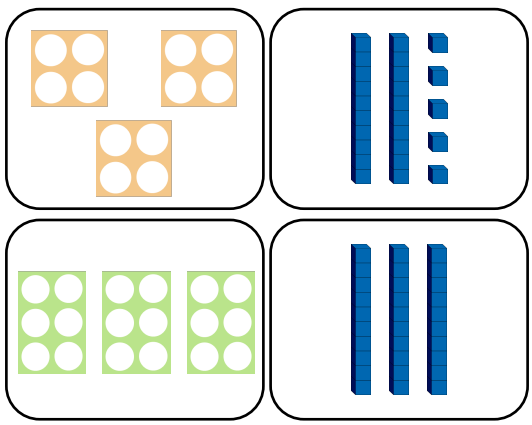
He has 21 books to pack.

How many boxes will Igor use altogether?

D

VF
HW/Ext

3. Jess says,



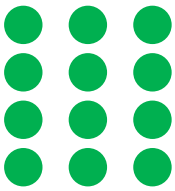
Is Jess correct? Prove it by writing the calculations.

D

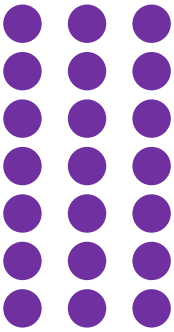
RPS
HW/Ext

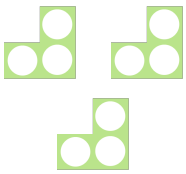
The 3 Times Table

4. Use your knowledge of the 3 times table to find the odd one out.



4 x 3 = ?





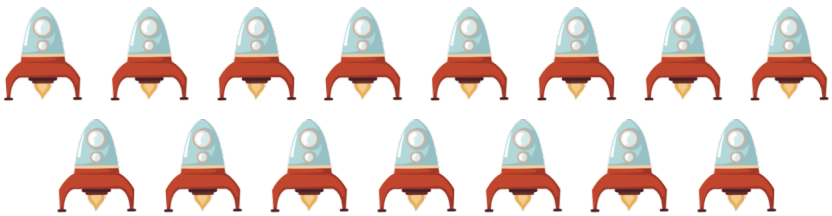
7 x 3 = ?

? = 21 ÷ 3

VF
HW/Ext

5. Sam is packing up his bedroom. He can put 3 toys in each box.

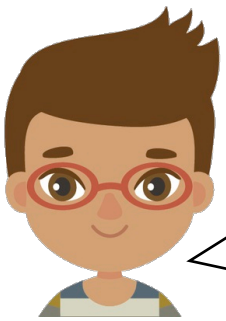
He has already used 4 boxes and still has 15 more toys to pack.



How many boxes will Sam use altogether?

VF
HW/Ext

6. Rehan says,



All of these numbers can be divided into equal groups of 3.

9	18	24
33	16	13

Is Rehan correct? Prove it by writing the calculations.

RPS
HW/Ext

The 3 Times Table

7. Use your knowledge of the 3 times table to find the odd ones out.

nine times three	3 x 9 = ?
? = 27 ÷ 3	
21 ÷ 3 = ?	ten multiplied by three
four times three	
3 x 7 = ?	seven lots of three

GD

VF
HW/Ext

8. Anoop is making bunches of flowers. She puts three flowers in each bunch.

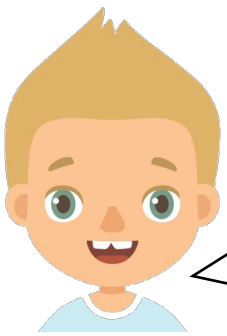
She has already used twelve flowers and has twenty-one more flowers to bunch.

How many bunches will Anoop make altogether?

GD

VF
HW/Ext

9. Kevin says,



All of these numbers are multiples of three.

thirty	27
21	sixteen
twenty-three	36

Is Kevin correct? Prove it by writing the calculations.

GD

RPS
HW/Ext

Homework/Extension
The 3 Times Table

Developing

1. 2 x 3 = ? is the odd one out because it does not match the other fact family.
2. 7 boxes
3. Jess is incorrect. The correct calculations are: 4 x 3 = 12, 6 x 3 = 18, 10 x 3 = 30. However, 25 is not in the 3 times table.

Expected

4. 3 x 3 = ? is the odd one out because it does not match the other fact families.
5. 9 boxes
6. Rehan is incorrect. The correct calculations are: 9 ÷ 3 = 3, 18 ÷ 3 = 6, 24 ÷ 3 = 8, 33 ÷ 3 = 11. However, 16 and 13 cannot be divided equally into groups of 3.

Greater Depth

7. 4 x 3 and 10 x 3 are the odd ones out because they do not match the other fact families.
8. 11 bunches
9. Kevin is incorrect. The correct calculations are: 30 ÷ 3 = 10 or 3 x 10 = 30, 27 ÷ 3 = 9 or 9 x 3 = 27, 21 ÷ 3 = 7 or 7 x 3 = 21, 36 ÷ 3 = 12 or 12 x 3 = 36. However, 16 and 23 are not multiples of 3.