

Homework/Extension

Step 2: Multiply by 3

National Curriculum Objectives:

Mathematics Year 3: (3C6) [Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Tick the correct representation. Using counting in 3s in order to multiply by 3 (up to 12 groups of 3). All questions have pictorial support where each digit is represented.

Expected Tick the correct representation. Using counting in 3s in order to multiply by 3 (up to 12 groups of 3). Where only one group of 3 is represented pictorially.

Greater Depth Tick the correct representation. Using counting in 3s in order to multiply by 3 beyond 12 groups of 3 using their knowledge of the times tables facts up to 12 groups of 3. No pictorial support provided.

Questions 2, 5 and 8 (Varied Fluency)

Developing Calculate the missing information. Using counting in 3s in order to multiply by 3 (up to 12 groups of 3). All questions have pictorial support where each digit is represented.

Expected Calculate the missing information. Using counting in 3s in order to multiply by 3 (up to 12 groups of 3). Where only one group of 3 is represented pictorially.

Greater Depth Calculate the missing information. Using counting in 3s in order to multiply by 3 beyond 12 groups of 3 using their knowledge of the times tables facts up to 12 groups of 3. No pictorial support provided.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Explain which statement is correct. Using counting in 3s in order to multiply by 3 (up to 12 groups of 3). All questions have pictorial support where each digit is represented.

Expected Explain which statement is correct. Using counting in 3s in order to multiply by 3 (up to 12 groups of 3). Where only one group of 3 is represented pictorially.

Greater Depth Explain which statement is correct. Using counting in 3s in order to multiply by 3 beyond 12 groups of 3 using their knowledge of the times tables facts up to 12 groups of 3. No pictorial support provided.

More [Year 3 Multiplication and Division](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Multiply by 3

1. Tick the representation that is the same as 5 lots of 3.

A.  = 15





B.  = 15

C.  = 15



VF
HW/Ext

2. Class 3 recorded their scores in a quiz. For every correct answer, they scored 3 points. Complete the table.

Group	Correct Answers	Points
A.	4	 = <input type="text"/>
B.	<input type="text"/>	 = 18
C.	5	 = <input type="text"/>
D.	<input type="text"/>	 = 9



VF
HW/Ext

3. Amy and Matt are looking at the marbles below.



Amy

I think this picture shows 11 groups of 3 marbles.

I think this picture shows 10 groups of 3 marbles.



Matt

Who is correct? Explain how you know.



RPS
HW/Ext

Multiply by 3

4. Tick the representation that is the same as 7 lots of 3.

A.

$$3 + 3 + 3 = 21$$

B.

$$3 + 3 + 3 + 3 + 3 + 3 + 3 = 21$$

C.



$$\boxed{\text{★ ★ ★}} \boxed{\text{★ ★ ★}} \boxed{\text{★ ★ ★}} \boxed{\text{★ ★ ★}} \boxed{\text{★ ★ ★}} \boxed{\text{★ ★ ★}} = 21$$



VF
HW/Ext

5. Class 3 recorded their scores in a quiz. For every correct answer, they scored 3 points. Complete the table.

Group	Correct Answers	Points
A.	3	$\boxed{} + \boxed{} + \boxed{} = \boxed{}$
B.	$\boxed{}$	21
C.	4	$\boxed{} + \boxed{} + \boxed{} + \boxed{} = \boxed{}$
D.	$\boxed{}$	30



VF
HW/Ext

6. Steph and Dean have a pack of 3 balls.



Steph

If we had 9 packs, we would have 21 balls.

If we had 9 packs, we would have 27 balls.



Dean

Who is correct? Explain how you know.



RPS
HW/Ext

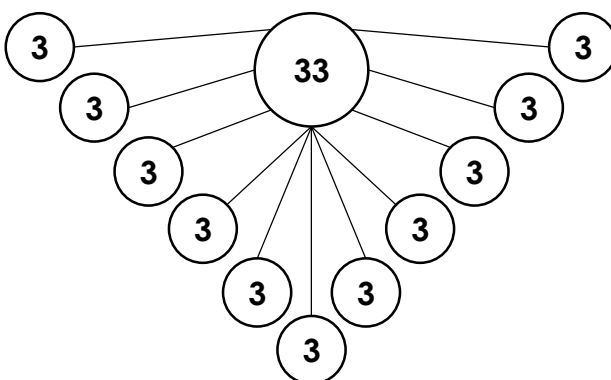
Multiply by 3

7. Tick the representation that is the same as eleven lots of three.

A.

$$11 \times 3 = 30$$

C.



B.

$$3 \times 11 = 30$$



VF
HW/Ext

8. Class 3 recorded their scores in a quiz. For every correct answer, they scored 3 points. Complete the table.

Group	Correct Answers	Points				
A.	5	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
B.	<input type="text"/>	<input type="text"/>	x	3	=	27
C.	6	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>
D.	<input type="text"/>	<input type="text"/>	x	3	=	12



VF
HW/Ext

9. Alfie and Tilly have a pack of three biscuits.



Alfie

If we had seven packs, we would have twenty-four biscuits.



Tilly

If we had seven packs, we would have twenty-one biscuits.

Who is correct? Explain how you know.



RPS
HW/Ext





Homework/Extension

Multiply by 3

Developing

1. **C**

2.

Group	Correct Answers	Points
A.	4	 = 12
B.	6	 = 18
C.	5	 = 15
D.	3	 = 9

3. **Amey is correct. The image shows 11 groups of 3 marbles.**

Expected

4. **B**

5.

Group	Correct Answers	Points
A.	3	3 + 3 + 3 = 9
B.	7	21
C.	4	3 + 3 + 3 + 3 = 12
D.	10	30

6. **Dean is correct because $3 \times 9 = 27$ not 21.**

Greater Depth

7. **C**

8.

Group	Correct Answers	Points
A.	5	5 x 3 = 15
B.	9	9 x 3 = 27
C.	6	6 x 3 = 18
D.	4	4 x 3 = 12

9. **Tilly is correct because $7 \times 3 = 21$ not 24.**