

# Homework/Extension

## Step 10: The 8 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** Use the arrays to complete the calculation. Using pictorial support for each question where each digit is represented.

**Expected** Use the bar models to complete the calculation. Using scaffolding or pictorial support.

**Greater Depth** Complete the bar models and the calculations. No scaffolding or pictorial support is given.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Compare given statements using inequality symbols. Using pictorial support for each question where each digit is represented.

**Expected** Compare given statements using inequality symbols. Using scaffolding or pictorial support.

**Greater Depth** Compare given statements using inequality symbols. No scaffolding or pictorial support is given.

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

**Developing** Explain if a given statement is correct. Using pictorial support for each question where each digit is represented.

**Expected** Explain if a given statement is correct. Using scaffolding or pictorial support.

**Greater Depth** Explain if a given statement is correct. No scaffolding or pictorial support is given.

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

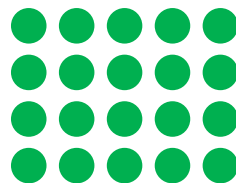
Did you like this resource? Don't forget to [review](#) it on our website.

# The 8 Times Table

1. Use the arrays to solve the calculation below.

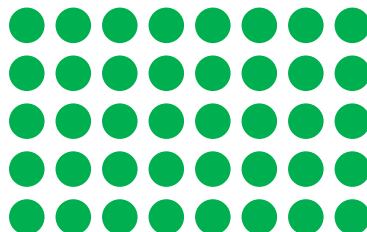
If:

$$5 \times 4 = 20$$



Then:

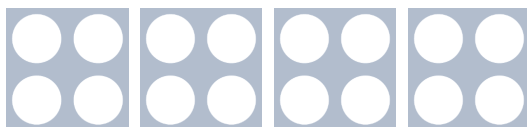
$$5 \times 8 = \square$$



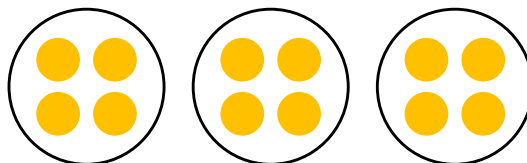
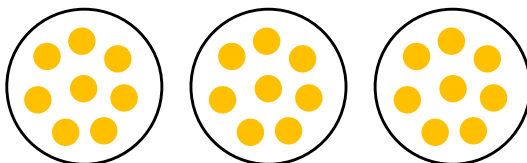
VF  
HW/Ext

2. Use  $>$ ,  $<$  or  $=$  to compare the statements below.

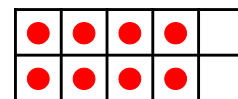
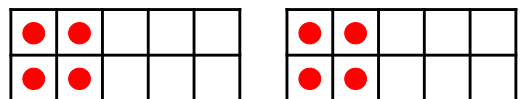
A.



B.



C.

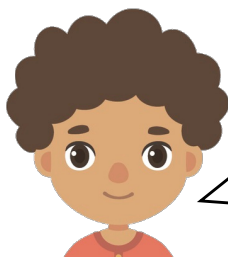


VF  
HW/Ext

3. Andrew is trying to solve the calculation below.

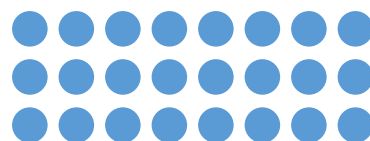
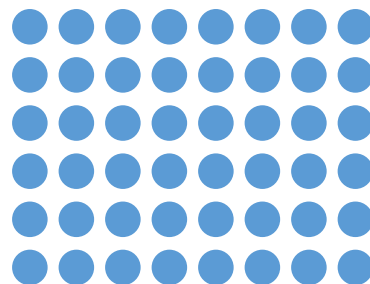
$$9 \times 8$$

Andrew says,



To solve this calculation, I can do  $6 \times 8$  and  $3 \times 8$  and add the answers together.

Do you agree? Explain your answer.



RPS  
HW/Ext

# The 8 Times Table

4. Use the bar models to solve the calculation below.

If:

$$3 \times 4 = 12$$

12		
4	4	4

Then:

$$3 \times 8 = \square$$

?		
8	8	8

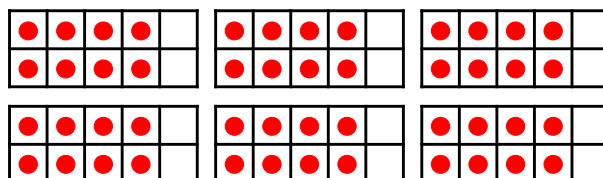


VF  
HW/Ext

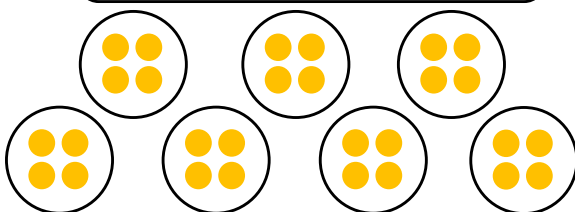
5. Use >, < or = to compare the statements below.

A.

$$12 \times 4$$



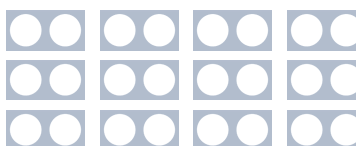
B.




$$7 \times 8$$

C.

$$5 \times 8$$



VF  
HW/Ext

6. Sarah is trying to solve the calculation below.

$$6 \times 8$$

Sarah says,



To solve this calculation, I can do  $1 \times 8$  and  $5 \times 8$  and add the answers together

Do you agree? Explain your answer.

?				
8				

?				
8	8	8	8	8



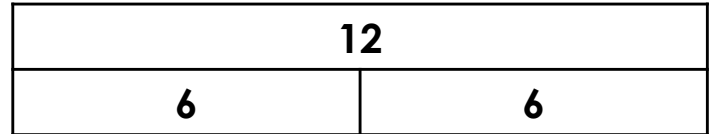
RPS  
HW/Ext

# The 8 Times Table

7. Complete the bar models to help solve the calculations below.

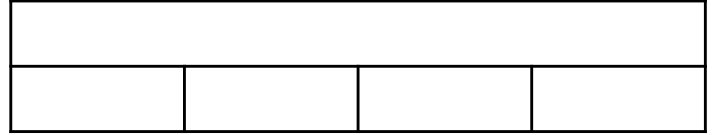
If:

$$2 \times 6 = 12$$



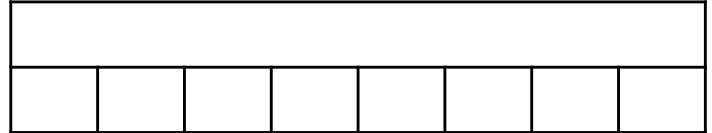
And:

$$4 \times 6 = \square$$



Then:

$$8 \times 6 = \square$$



VF  
HW/Ext

8. Use  $>$ ,  $<$  or  $=$  to compare the statements below.

A.

$$4 \times 4$$

$$3 \times 6$$

B.

$$5 \times 8$$

$$10 \times 2$$

C.

$$6 \times 4$$

$$3 \times 8$$

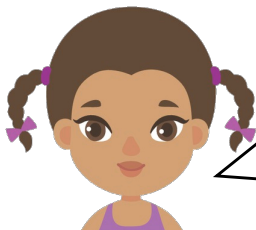


VF  
HW/Ext

9. Alicia is trying to solve the calculation below.

$$7 \times 8$$

Alicia says,



To solve this calculation, I can do  $5 \times 8$  and  $3 \times 8$  and add the answers together.

Do you agree? Explain your answer.



RPS  
HW/Ext

# Homework/Extension

## The 8 Times Table

### Developing

1. **40**
2. **A: =, B: >, C: =**
3. **Andrew is correct because  $6 \times 8 = 48$ ,  $3 \times 8 = 24$  and  $48 + 24 = 72$ ;  $9 \times 8 = 72$ .**

### Expected

4. **24**
5. **A: =, B: <, C: >**
6. **Sarah is correct because  $1 \times 8 = 8$ ,  $5 \times 8 = 40$  and  $8 + 40 = 48$ ;  $6 \times 8 = 48$ .**

### Greater Depth

7. **24,**
- |    |   |   |   |
|----|---|---|---|
| 24 |   |   |   |
| 6  | 6 | 6 | 6 |

- 48,**
- |    |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|
| 48 |   |   |   |   |   |   |   |
| 6  | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

8. **A: <, B: >, C: =**
9. **Alicia is incorrect because  $5 \times 8 = 40$ ,  $3 \times 8 = 24$  and  $40 + 24 = 64$ . However,  $7 \times 8 = 56$ .**