

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.

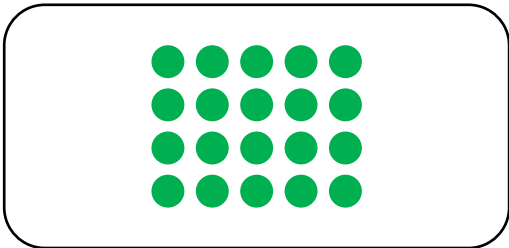
Did you like this resource? Don't forget to [review](#) it on our website.

The 8 Times Table

1. Use the arrays to solve the calculation below.

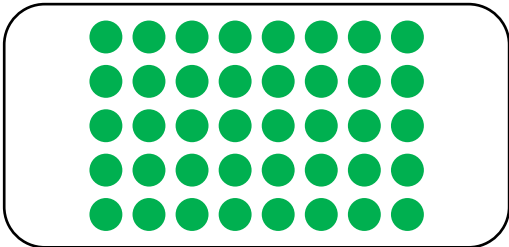
If:

$$5 \times 4 = 20$$



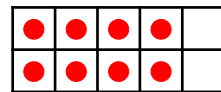
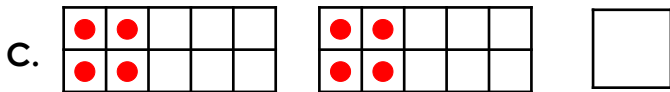
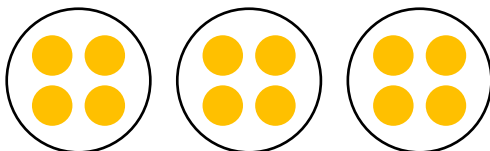
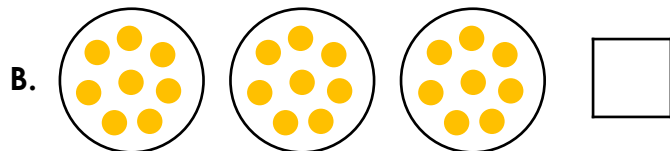
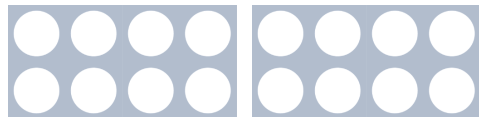
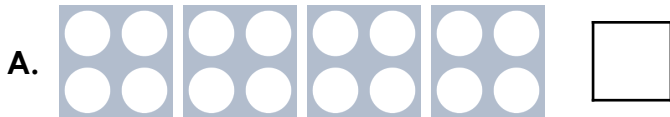
Then:

$$5 \times 8 = \square$$



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



VF
HW/Ext

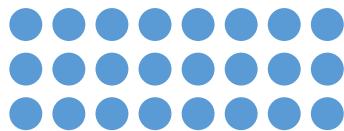
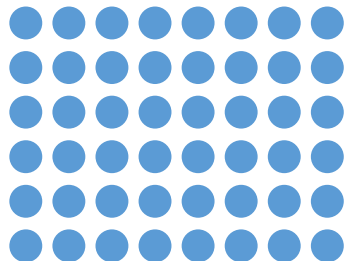
3. Andrew is trying to solve the calculation below.

$$9 \times 8$$

Andrew says,



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



Do you agree? Explain your answer.



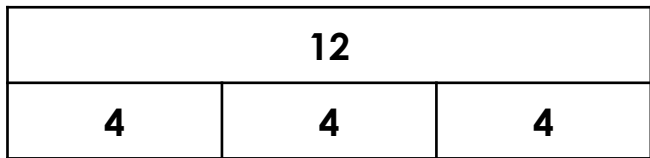
RPS
HW/Ext

The 8 Times Table

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

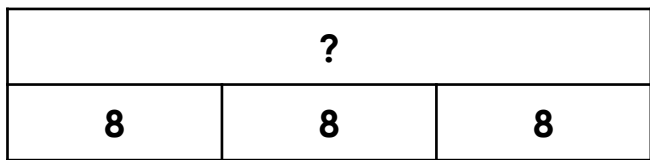
If:

$$3 \times 4 = 12$$



Then:

$$3 \times 8 = \square$$

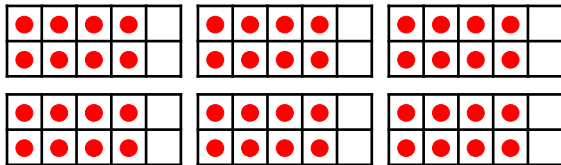


VF
HW/Ext

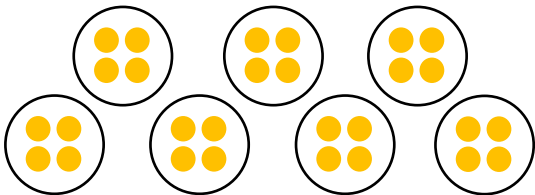
5. Use $>$, $<$ or $=$ to compare the statements below.

A.

$$12 \times 4$$



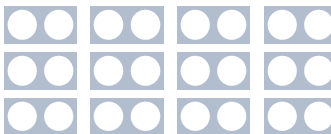
B.



$$7 \times 8$$

C.

$$5 \times 8$$



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HW/Ext

6. Sarah is trying to solve the calculation below.

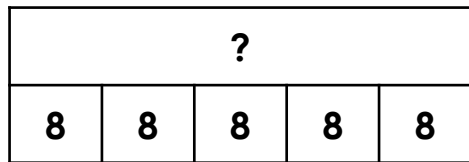
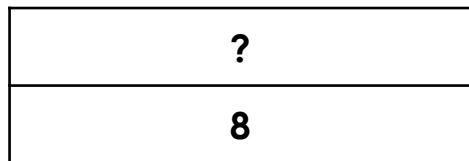
$$6 \times 8$$

Sarah says,



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

Do you agree? Explain your answer.



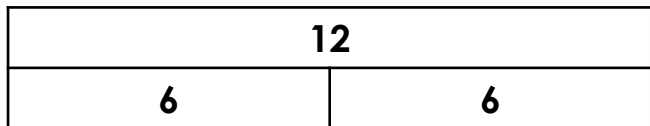
RPS
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The 8 Times Table

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

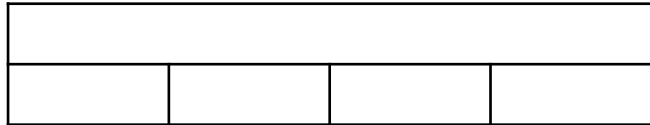
If:

$$2 \times 6 = 12$$



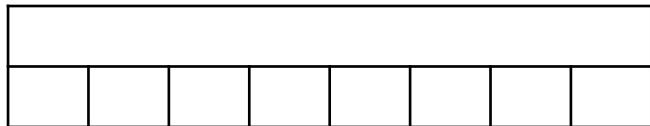
And:

$$4 \times 6 = \square$$



Then:

$$8 \times 6 = \square$$



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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 5×8 and 3×8 and add the answers together.

Do you agree? Explain your answer.



RPS
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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, $7 \times 8 = 56$.**