

# Homework/Extension

## Step 1: Comparing Statements

### 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](#)

### Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Identify a mistake in a comparison statement with pictorial representations to support multiplication. Using the words 'greater than'.

**Expected** Identify a mistake in a comparison statement with pictorial representations to support multiplication. Includes use of repeated addition.

**Greater Depth** Identify a mistake in two comparison statements. Includes use of a mixture of multiplication, division and addition.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Decide whether a comparison statement matches a number story or not. Pictorial representations to support calculations and using the words 'less than'.

**Expected** Decide whether a comparison statement matches a number story or not. Includes use of repeated addition.

**Greater Depth** Decide whether a comparison statement matches a number story or not. Includes use of a mixture of multiplication, division and addition, plus some missing numbers.

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

**Developing** Use number cards to complete a comparison statement. Pictorial representations to support calculations and using the words 'equals to'.

**Expected** Use number cards to complete a comparison statement. Includes use of division.

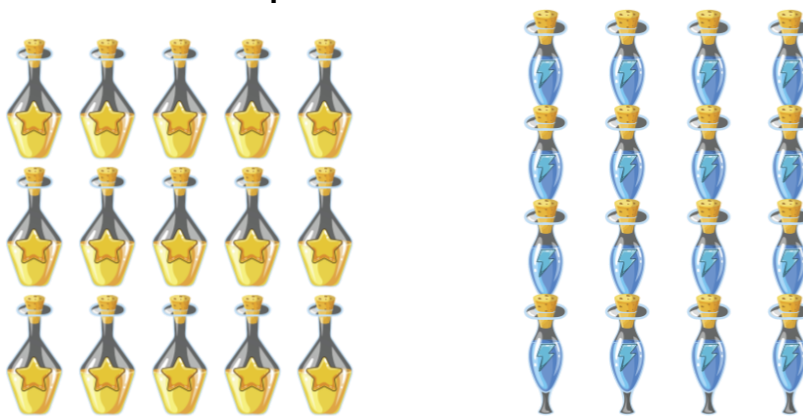
**Greater Depth** Use number cards to complete a comparison statement. Includes use of a mixture of multiplication, division and addition, plus blank number cards.

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

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

# Comparing Statements

1. Correct the mistake in the comparison statement below.



3 x 5 > 4 x 4  
is greater than



VF  
HW/Ext

2. Does the comparison statement match what the children are saying?



Grace

I have more things in my pencil case than Jakub. I have 6 packs of 2 pencils.



6 x 2 < 3 x 3  
is less than

I have fewer things in my pencil case than Grace. I have 3 packs of 3 highlighters.



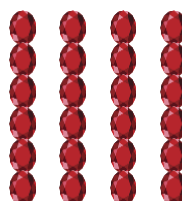
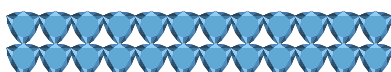
Jakub



VF  
HW/Ext

3. Use the number cards to complete the comparison statement.

12 4 6 2  
[ ] x [ ] = [ ] x [ ]  
is equal to



RPS  
HW/Ext

# Comparing Statements

4. Correct the mistake in the comparison statement below.



$$4 \times 5 > 8 + 8 + 8$$



VF  
HW/Ext

5. Does this comparison statement match what the children are saying?



Poppy

I have more things in my pencil case than Harley. I have 4 packs of 6 pencils.

I have fewer things in my pencil case than Poppy. I shared my 36 pens between myself and 2 friends.



Harley

$$4 + 4 + 4 + 4 < 36 \div 3$$



VF  
HW/Ext

6. Use the number cards to complete the comparison statement.

2

4

4

32

$$\square \div \square = \square \times \square$$



RPS  
HW/Ext

# Comparing Statements

7. Correct the mistakes in the comparison statements below.

A.  $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 < 7 \times 8 + 5$

B.  $36 \div 4 + 3 = 3 \times 6 + 4 \times 1$



VF  
HW/Ext

8. Complete this comparison statement so that it matches what the children are saying?

Easha and I shared 24p between us.



Udo bought 7 packs of stickers at 8p each and I spent 3p on each of my 9 hair clips.

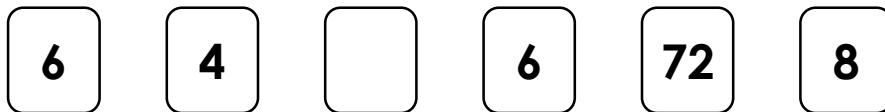


$$24 \div \square < 7 \times \square + \square \times 9$$



VF  
HW/Ext

9. Use the number cards to complete the comparison statement. What number should be on the blank card?



$$\square \div \square + \square = \square \times \square - \square$$



RPS  
HW/Ext

## Homework/Extension

### Comparing Statements

#### Developing

1.  $3 \times 5 (15) \leq 4 \times 4 (16)$
2. No. It should be  $6 \times 2 (12) \geq 3 \times 3 (9)$ .
3.  $12 \times 2 (24) = 6 \times 4 (24)$  or  $2 \times 12 (24) = 4 \times 6 (24)$

#### Expected

4.  $4 \times 5 (20) < 8 + 8 + 8 (24)$
5. No. It should be  $\underline{6} + \underline{6} + \underline{6} + \underline{6} (24) \geq 36 \div 3 (12)$
6.  $32 \div 4 (8) = 2 \times 4 (8)$  or  $32 \div 2 (16) = 4 \times 4 (16)$

#### Greater Depth

7. A.  $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 (64) \geq 7 \times 8 + 5 (61)$   
B.  $36 \div 4 + 3 (12) \leq 3 \times 6 (18) + 4 \times 1 (4)$
8.  $24 \div 2 (12) < 7 \times 8 + 3 \times 9 (83)$
9.  $72 \div 8 + \underline{9} = 6 \times 4 - 6$  or  $72 \div 6 + \underline{4} = 6 \times 4 - 8$