

Homework/Extension

Divide by 3

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: (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 Identify the odd one out from four representations of a division calculation up to $36 \div 3$. Includes arrays only.

Expected Identify the odd one out from four representations of a division calculation up to $36 \div 3$. These will include different representations.

Greater Depth Create an odd one out question by completing four different representations of a division calculation up to $36 \div 3$.

Questions 2, 5 and 8 (Varied Fluency)

Developing Complete the statement up to $36 \div 3$ by inserting a comparison symbol. Supported by pictorial representations.

Expected Complete the statement up to $36 \div 3$ by inserting a comparison symbol. Supported by a number line.

Greater Depth Complete the statement up to $36 \div 3$ by inserting a comparison symbol.

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

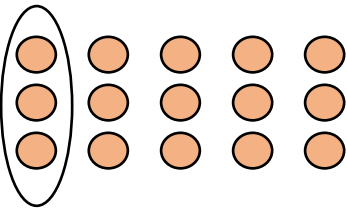
Developing Explain the division calculation needed to solve the problem. Using divisions up to $36 \div 3$. Supported by pictorial representations.

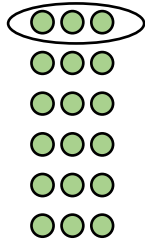
Expected Explain the division calculation needed to solve the problem. Using divisions up to $36 \div 3$. Supported by a number line.

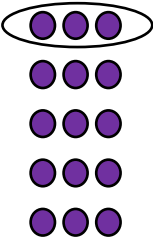
Greater Depth Explain the division calculation needed to solve the two-step problem. Using divisions up to $36 \div 3$.

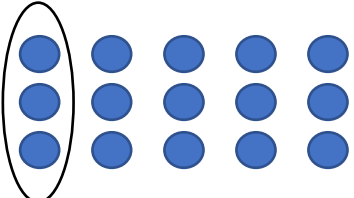
Divide by 3

1. Which one is the odd one out?

A. 

B. 

C. 

D. 



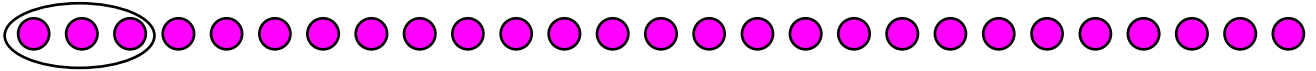
VF
HW/Ext

2. Complete the calculations using $<$, $>$ or $=$.

$$18 \div 3 \quad \square \quad 4$$



$$27 \div 3 \quad \square \quad 9$$



$$12 \div 3 \quad \square \quad 5$$

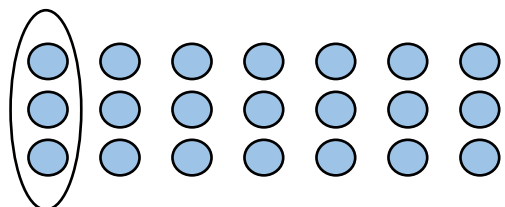


VF
HW/Ext

3. Gurpreet says,



I can share 21 sweets between 3 people because each person will get 7 sweets.



Is she correct? Explain your answer.

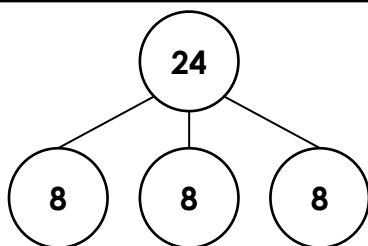


RPS
HW/Ext

Divide by 3

4. Which one is the odd one out?

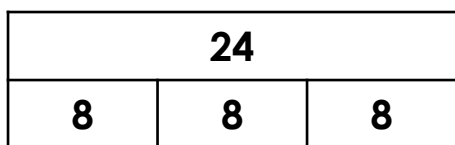
A.



B.

$$\boxed{24} \div \boxed{3} = \boxed{8}$$

C.

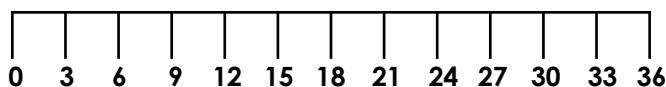


D.



VF
HW/Ext

5. Complete the calculations using $<$, $>$ or $=$.



$21 \div 3 \quad \square \quad 8$

$15 \div 3 \quad \square \quad 5$

$33 \div 3 \quad \square \quad 9$

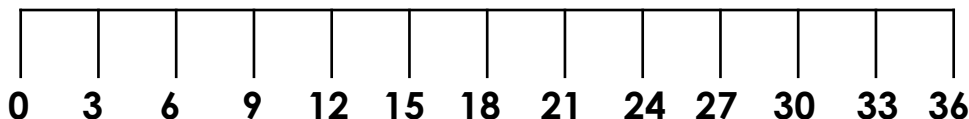


VF
HW/Ext

6. Christine says,



I can share 36 sweets between 3 people because each person will get 12 sweets.



Is she correct? Explain your answer.

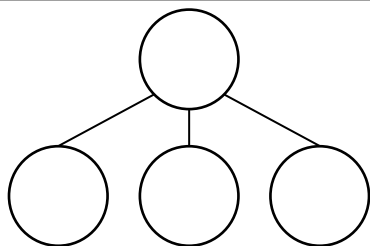


RPS
HW/Ext

Divide by 3

7. Create your own odd one out question for $33 \div 3 = 11$ by completing the four different representations.

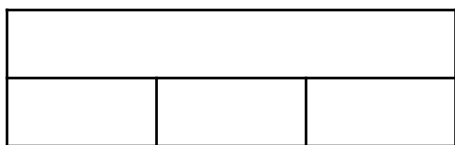
A.



B.

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

C.



D.



VF
HW/Ext

8. Complete the calculations using $<$, $>$ or $=$.

$$36 \div 3 \quad \square \quad 12$$

$$18 \div 3 \quad \square \quad 4$$

$$27 \div 3 \quad \square \quad 11$$



VF
HW/Ext

9. Austin says,



I can share 36 blue sweets and 21 red sweets between 3 people because each person will get 19 sweets.

Is he correct? Explain your answer.



RPS
HW/Ext

Homework/Extension

Divide by 3

Developing

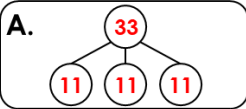
1. **B**
2. **>, =, <**
3. **Yes, because $21 \div 3 = 7$**

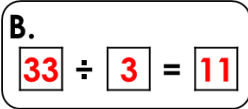
Expected

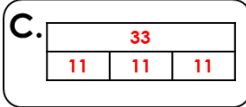
4. **D**
5. **<, =, >**
6. **Yes, because $36 \div 3 = 12$**


Greater Depth

7.

A. 

B. 

C. 

D. 

8. **=, >, <**
9. **Yes, because $36 \div 3 = 12$ and $21 \div 3 = 7$. $12 + 7 = 19$**