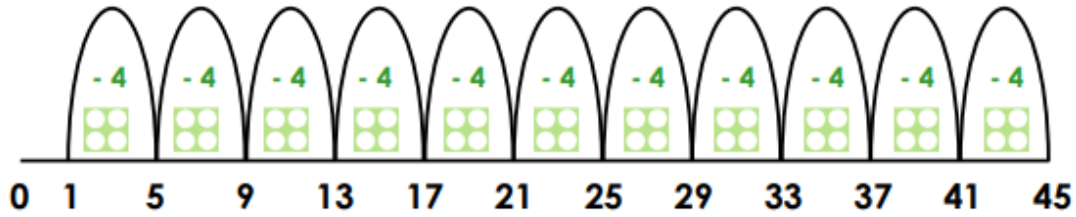


Year 3 Challenges

HOT

1. True or false?

$$45 \div 4 = 11 \text{ r } 1$$



VF
HW/Ext

2. Circle the mistake(s) and solve the division below correctly.

Tens		Ones		
10	10	1	1	1
10	10	1		
10	10	1	1	1

$$67 \div 3 = 23$$



VF
HW/Ext

3. Complete the division number sentence below using three of the digit cards below.

5
4
3
6
9



$$5 \square \div \square = 11 \text{ r } \square$$

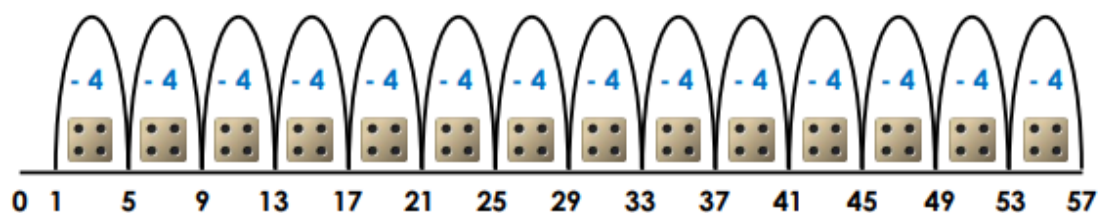


RPS
HW/Ext

HOTTER

4. True or false?

$$57 \div 4 = 14 \text{ r } 2$$



VF
HW/Ext

5. Circle the mistake and solve the division below correctly.

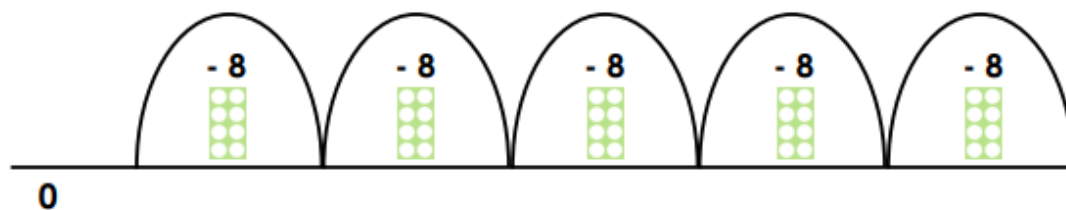
Tens		Ones
10	10	1
10	10	1
10	10	1

$$65 \div 3 = 21 \text{ r } 1$$



VF
HW/Ext

6. Create a division number sentence using five of the digit cards below.



RPS
HW/Ext

HOTTEST

7. Use repeated subtraction on the number lines below to show whether this statement is true or false.



$67 \div 4$ and $85 \div 3$ both have the same remainder.



VF
HW/Ext

8. Complete the calculation below. Draw the counters in the correct place in the place value chart to represent your division calculation.



Tens	Ones

$$\square \div 5 = \square \text{ r } \square$$



VF
HW/Ext

9. Create a division number sentence below which has an answer that is even and a remainder that is odd.

$$\square \div \square = \square \text{ r } \square$$

Show your working out above, using a method of your choice.

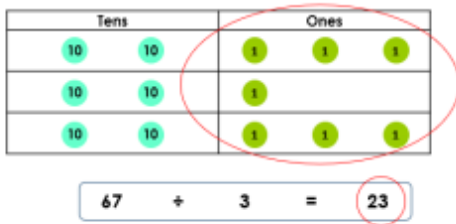


RPS
HW/Ext

ANSWERS

HOT

1. True
2. The ones have not been shared equally in the place value chart so the overall answer is incorrect. There should be some left over counters as $67 \div 3 = 22 \text{ r}1$.



3. $59 \div 5 = 11 \text{ r}4$

HOTTER

4. False, because there is only a remainder of one.
5. $65 \div 3$ should have a remainder of two, not one as shown in the place value chart.



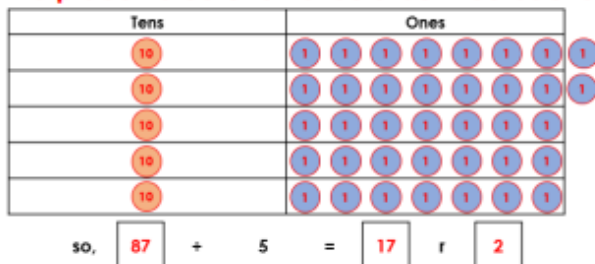
6. Various answers, for example: $42 \div 8 = 5 \text{ r}2$

HOTTEST

7. This statement is false because $67 \div 4$ has a remainder of 3 and $85 \div 3$ has a remainder of 1 as shown on the number lines below.



8. The place value chart should be filled as shown below because $87 \div 5 = 17 \text{ r}2$.



9. Various answers, for example: $65 \div 4 = 16 \text{ r}1$ because the remainder is an odd number (1) and the answer is an even number (16).