01.04.20   Y3 Maths – bus stop division

Division with an exchange:

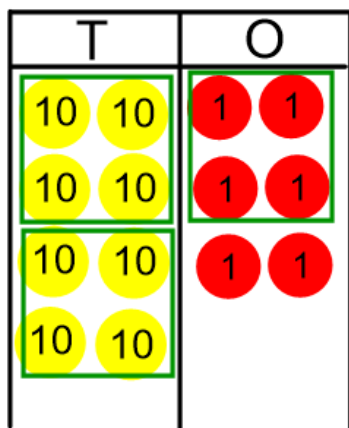$$42 \div 3 = 14$$
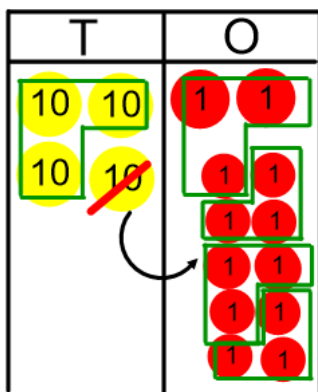
1. With the 4 tens, we can make 1 group of 3 so write 1 above the 4 on the bus stop.

2. There is a ten left over so exchange it for 10 ones. Show on the bus stop that we now have 12 ones.

3. With the 12 ones, we can make 4 groups of 3 so write 4 above the 2 on the bus stop.

4. $42 \div 3 = 14$

Division with a remainder:

$$86 \div 4 = 21 \text{ r } 2$$

1. With the 8 tens, we can make 2 group of 4 so write 2 above the 8 on the bus stop.

2. With the 6 ones, we can make 1 group of 4 so write 1 above the 6 on the bus stop.

3. There are 2 ones left over so we have 'remainder 2' which we write as 'r 2'.

4. $86 \div 4 = 21 \text{ r } 2$

1.   48 ÷ 3 =

2.   96 ÷ 2 =

3.   75 ÷ 5 =

4.   87 ÷ 4 =

5.   67 ÷ 3 =

6.   59 ÷ 5 =

7.   73 ÷ 3 =

8.   98 ÷ 4 =

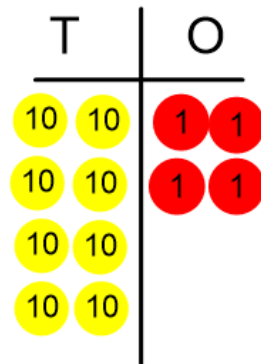9.   86 ÷ 3 =

Challenge 1:

Which one's correct?

Find the correct calculation. Spot the mistakes.

84 ÷ 3

$$\begin{array}{r} 21 \\ 3\overline{)84} \end{array} \qquad \begin{array}{r} 28 \\ 3\overline{)8^24} \end{array} \qquad \begin{array}{r} 24 \\ 3\overline{)8^14} \end{array}$$

T	O
10 10	1 1
10 10	1 1
10 10	
10 10	

Challenge 2:

96 ÷ 3   **42 ÷ 3**   **62 ÷ 4**

Which of these divisions is the easiest and which is the hardest? Explain.