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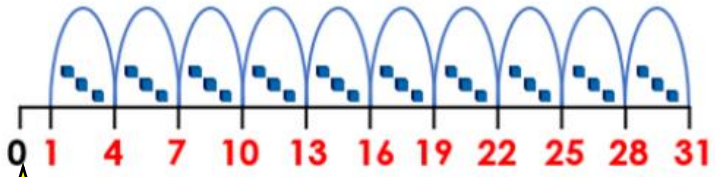
Division with remainders – Challenge Answers

1a. 51 ÷ 5 = 10 r1. Method B gives the correct solution as 10 repeated jumps of 5 = 50 + 1 (remainder) = 51. Method A shows 54 ÷ 5 which is not the same as 51 ÷ 5.

2a. 35 ÷ 3 = 11 r2. Jessie is correct as 11 x 3 = 33, adding the remainder 2 = 35.

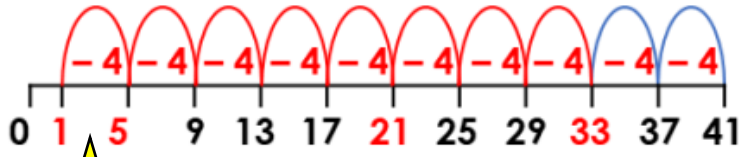
3a. 31 ÷ 3 = 10 r1



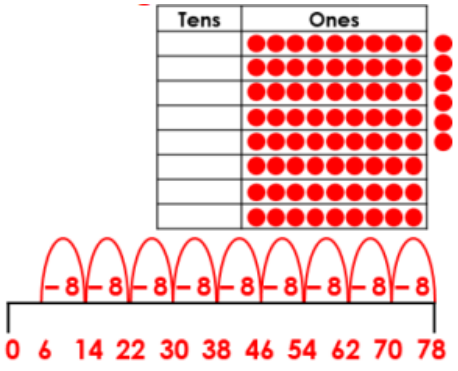
1b. 26 ÷ 3 = 8 r2. Method B gives the correct solution. In method A, there are only five jumps as the intervals have not been marked correctly.

2b. 44 ÷ 5 = 8 r4. Stan is incorrect as he has used 43 counters on his place value grid instead of 44.

3b. 41 ÷ 4 = 10 r1



1c. 78 ÷ 8 = 9 r6. Various methods may have been used. Below, method A shows 9 x 8 = 72 + 6 (remainder) = 78. Method B shows 9 repeated jumps of 8 which equals 72, adding the remainder 6 is 78.



2c. 83 ÷ 4 = 20 r3. Becky is incorrect as three marbles would be left over.

3c. Various answers, for example:

56 ÷ 3 = 18 r2

26 ÷ 3 = 8 r2