***I can multiply a non-unit fractions by an whole number.***

***Part 1 – Complete the missing sections of the table***

|  |  |  |  |
| --- | --- | --- | --- |
| ***Calculation*** | ***Repeated addition*** | ***Pictorial*** | ***Answer*** |
| 3 x |  | |  |  |  | | --- | --- | --- | |  |  |  |  |  |  |  | | --- | --- | --- | |  |  |  |  |  |  |  | | --- | --- | --- | |  |  |  | |  |
| 4 x |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
| x 3 |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |
|  |  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |      |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |
|  |  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | |  |

***Part 2 - Complete the missing parts of the rows below – look carefully at the different bar models***

***E.g.***

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Calculation***  ***x 2 =*** | ***Repeated Addition***  ***+*** | ***Picture***   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | ***Answer***  ***=*** |

***a.***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Calculation***  ***x 4 =*** | ***Repeated Addition*** | ***Picture***   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | | ***Answer*** |

***b.***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Calculation***  ***x 5 =*** | ***Repeated Addition*** | ***Picture***   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | ***Answer***  ***=*** |

***c.***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Calculation***  ***x \_\_\_ =*** | ***Repeated Addition*** | ***Picture***   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  | | ***Answer***  ***= 3*** |

***Part 3 – Complete the table, using the number lines. You will have to make the number line further down.***

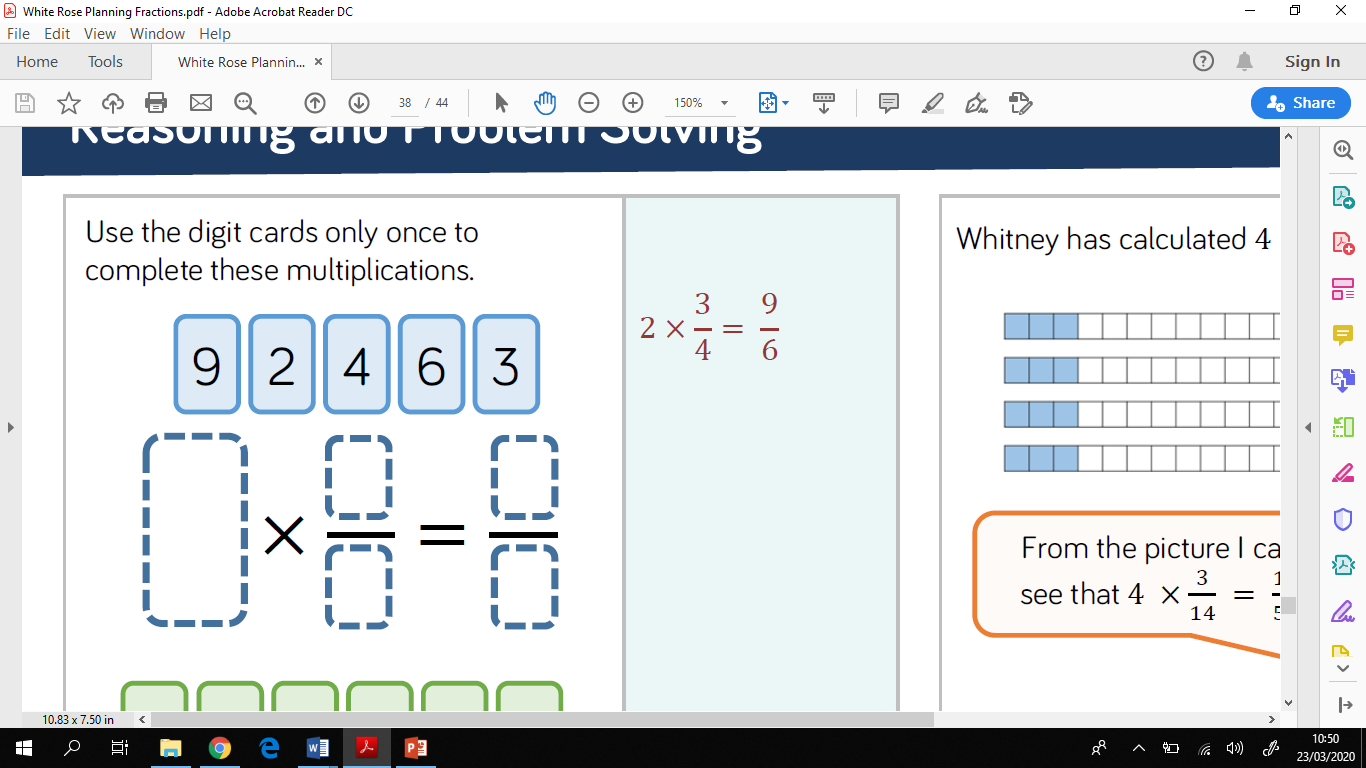
|  |  |  |
| --- | --- | --- |
| ***Question*** | ***Number line*** | ***Answer*** |
| ***2 x*** |  |  |
| ***5 x*** |  |  |
| ***x 3*** |  |  |
| ***x 4*** |  |  |
|  |  |  |
| ***x 5*** |  |  |
|  |  |  |

***Part 4 – Use your multiplication knowledge to work out these calculations without the visuals***

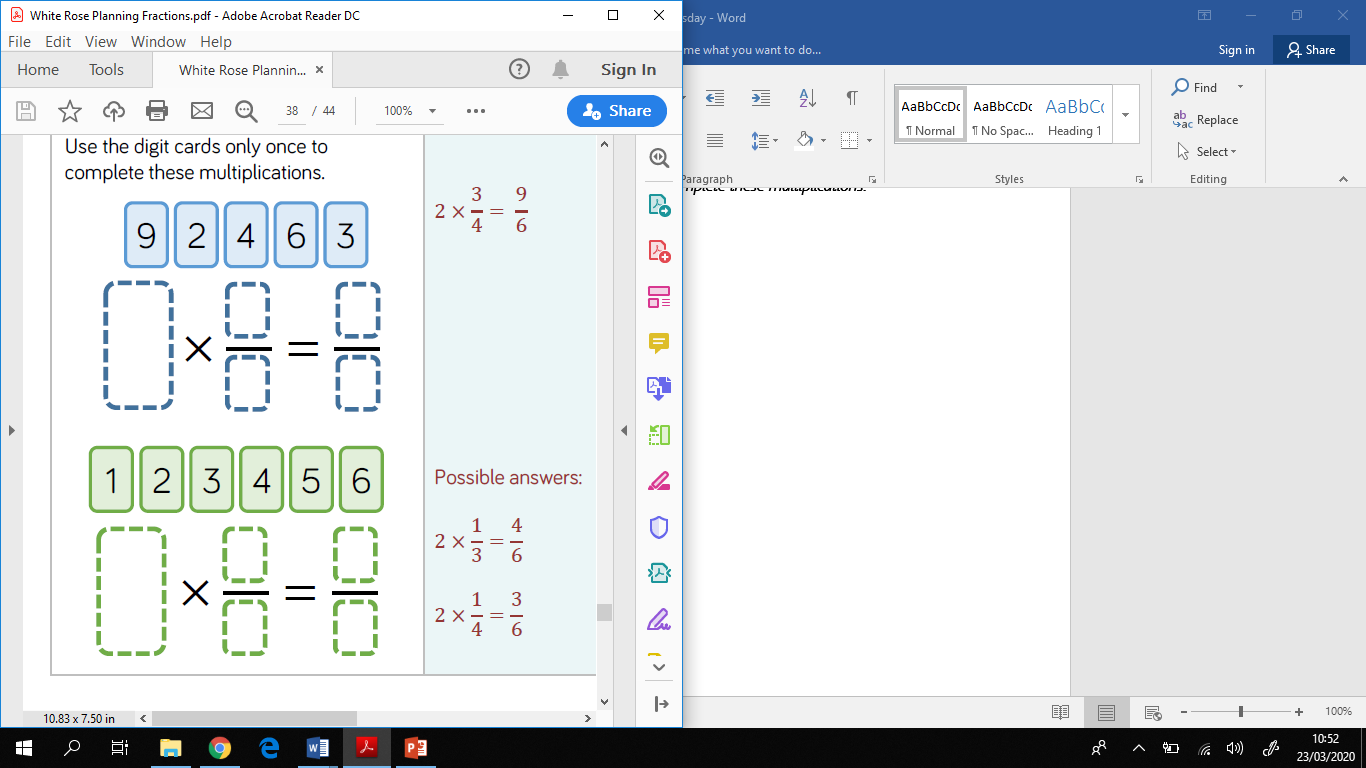
***Step 1: Write your denominator for your answer.***

***Step 2: Multiply your numerator by the whole number.***

***Step 3: Simplify fractions if possible or write as a mixed number.***

***Challenge – Use the digit cards to complete these multiplications (only use each card once for each calculation). The first one is really tricky!!***

***a.***

***Find as many different answers as you can for this one.***

***b.***