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

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

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| ***Calculation*** | ***Repeated addition*** | ***Pictorial*** | ***Answer*** |
| 3 x $\frac{2}{3}$ | $$\frac{2}{3}+\frac{2}{3}+\frac{2}{3}$$ |

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  | $$\frac{6}{3}=2$$ |
| 4 x $\frac{2}{4}$ | $$\frac{2}{4}+\frac{2}{4}+\frac{2}{4}+\frac{2}{4}$$ |

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| $\frac{3}{5}$ x 3 | $$\frac{3}{5}+\frac{3}{5}+\frac{3}{5}$$ |

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|  | $$\frac{3}{4}+\frac{3}{4}+\frac{3}{4}$$ |

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 | $$\frac{25}{6}=4\frac{1}{6}$$ |

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

***E.g.***

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| ***Calculation***$\frac{3}{4 }$ ***x 2 =***  | ***Repeated Addition***$\frac{3}{4 }$ ***+*** $\frac{3}{4 }$ | ***Picture***

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 | ***Answer***$\frac{6}{4 }$ ***=*** $1\frac{2}{4 }$ |

***a.***

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| ***Calculation***$\frac{2}{5 }$ ***x 4 =***  | ***Repeated Addition*** | ***Picture***

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 | ***Answer*** |

***b.***

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| ***Calculation***$\frac{4}{6 }$ ***x 5 =***  | ***Repeated Addition*** | ***Picture***

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 | ***Answer***$\frac{}{6 }$ ***=***  |

 ***c.***

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| ***Calculation***$\frac{4}{7}$ ***x \_\_\_ =***  | ***Repeated Addition*** | ***Picture***

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 | ***Answer***$\frac{24}{7 }$ ***= 3***$\frac{3}{7 }$ |

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

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| --- | --- | --- |
| ***Question*** | ***Number line*** | ***Answer*** |
| ***2 x*** $\frac{3}{7}$ |  | $$\frac{6}{7}$$ |
| ***5 x*** $\frac{2}{12}$ |  |  |
| $\frac{4}{12}$ ***x 3*** |  |  |
| $\frac{2}{8}$ ***x 4*** |  |  |
|  |  | $$\frac{8}{9}$$ |
| $\frac{3}{16}$ ***x 5*** |  |  |
|  |  | $$\frac{9}{10}$$ |

***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.***

$e. g. \frac{2}{6}x 2=\frac{4}{6}= \frac{2}{3}$

1. $\frac{2}{4}x 2=$
2. $\frac{4}{10}x 3=$
3. $\frac{3}{6}x 4=$
4. $\frac{3}{11}x 7=$
5. $\frac{4}{8}x 5=$
6. $\frac{3}{10}x 8=$

***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.***