**I can multiply a mixed number by an integer (integer means whole number)**

***Part 1- complete the missing parts from the table***

|  |  |  |  |
| --- | --- | --- | --- |
| Calculation | Repeated addition (whole number) | Repeated addition (fraction) | Answer |
| x 3 | 1 + 1 + 1 = 3 | = | 3 + |
| x 4 | 2 + 2 + 2 + 2 = | = |  |
| 4 x | 3 + 3 + 3 + 3 = |  |  |
|  |  |  |  |
|  | 4 + 4 + 4 + 4 + 4 = | = |  |
|  |  |  |  |

***Part 2 - complete the sentences to complete the calculations***

1. *=*6

The whole number \_3\_ multiplied by the integer \_2\_ equals \_6\_

The fraction multiplied by the integer \_2\_ equals

The whole and the part together equal 6

1. *=*

The whole number \_\_\_ multiplied by the integer \_\_\_ equals \_\_\_

The fraction multiplied by the integer \_\_\_ equals

The whole and the part together equal ­\_\_\_\_

1. *=*

The whole number \_\_\_ multiplied by the integer \_\_\_ equals \_\_\_

The fraction multiplied by the integer \_\_\_ equals

The whole and the part together equal \_\_\_\_

1. *=*

The whole number \_\_\_ multiplied by the integer \_\_\_\_ equals \_\_\_

The fraction multiplied by the integer \_\_\_ equals

The whole and the part together equal \_\_\_\_

***Part 3 - complete the sentences to complete the calculations which will have an improper fraction to convert.***

1. *=*10

The whole number \_3\_ multiplied by the integer \_3\_ equals \_9\_

The fraction multiplied by the integer \_3\_ equals

The improper fraction as a mixed number is

The whole and the part together equal 10

1. *=*

The whole number \_\_\_ multiplied by the integer \_\_\_\_ equals \_\_\_

The fraction multiplied by the integer \_\_\_ equals

The improper fraction as a mixed number is \_\_\_\_

The whole and the part together equal \_\_\_\_

1. *=*

The whole number \_\_\_ multiplied by the integer \_\_\_\_ equals \_\_\_

The fraction multiplied by the integer \_\_\_ equals

The improper fraction as a mixed number is \_\_\_\_

The whole and the part together equal \_\_\_\_

1. *=*

The whole number \_\_\_ multiplied by the integer \_\_\_\_ equals \_\_\_

The fraction multiplied by the integer \_\_\_ equals

The improper fraction as a mixed number is \_\_\_\_

The whole and the part together equal \_\_\_\_

***Challenges – Remember you don’t have to do these, but do have a go if you feel comfortable.***

1. Miss Thomas runs 2 miles three times per week. Mrs Stone runs 3 miles twice a week. Who runs the furthest during the week? Explain your answer.
2. Miss Fowler swims 3 miles three times per week. Mrs Poole swims 4 miles twice a week. Who swims the furthest during the week? Explain your answer.
3. Mrs O’Neill skips 4 miles three times per week. Mrs Codd skips 5 miles twice a week. Who skips the furthest during the week? Explain your answer.