7/4 Maths w/c 20th April 2020

2. We are learning what a ‘mixed number’ is and how to turn mixed numbers into fractions. - ANSWERS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 |  |  |  | 12 |  | 4$\frac{1}{2}$ |  |  | $$\frac{2}{3}$$ |
|  | 1$\frac{1}{3}$ |  | 5 |  | $$\frac{2}{5}$$ |  |  |  |  |
|  |  | 3 |  |  |  |  | $$\frac{7}{5}$$ |  | 12$\frac{3}{10}$ |
| 7$\frac{4}{5}$ |  |  | $$\frac{1}{2}$$ |  | 2$\frac{3}{4}$ |  |  |  |  |
| 10 |  |  |  |  |  |  |  | $$\frac{1}{10}$$ |  |

How many parts are in each of these pictures? Write the answer as a fraction.

|  |  |
| --- | --- |
| A picture containing screen, building, yellow, window  Description automatically generated | A picture containing screen, building, plane, clock  Description automatically generated |
| $$\frac{8}{4}$$ | $$\frac{6}{3}$$ |

When the top number on a fraction is bigger than the bottom number, it is telling us that the fraction means more than one of something – like more than one cake above.

Explain why 2 $\frac{1}{3}$ is the same as $\frac{7}{3}$ using the picture below.

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 2 | 3 | 1 whole one |
|  |  |  | plus |
| 4 | 5 | 6 | 1 whole one |
|  |  |  | = 2 whole ones +  |
| 7 |  |  | $\frac{1}{3}$  |

Write down the amount of shaded parts as a fraction and a mixed number. Some have been done already.

|  |  |  |
| --- | --- | --- |
|  | Mixed Number | Fraction |
| A close up of a logo  Description automatically generated | 1$\frac{1}{4}$ | $$\frac{5}{4}$$ |
| A picture containing screen, building, drawing  Description automatically generated | 3$\frac{3}{5}$ | $$\frac{18}{5}$$ |
| A picture containing drawing, window  Description automatically generated | 3$\frac{1}{2}$ | $$\frac{7}{2}$$ |

Using a number line for mixed numbers.

Watch this video for a demonstration on how mixed numbers work on a number line. <https://www.khanacademy.org/math/cc-third-grade-math/imp-fractions/imp-fractions-on-the-number-line/v/fractions-greater-than-1-on-the-number-line>



EXTRA CHALLENGE: So, how can we switch between them without pictures or number lines?

|  |  |
| --- | --- |
| **Mixed number** | **Fraction** |
| 1$\frac{1}{4}$ | $$\frac{5}{4}$$ |
| 2$\frac{3}{5}$ | $$\frac{13}{5}$$ |
| 1$\frac{7}{10}$ | $$\frac{17}{10}$$ |