7/4 Maths w/c 27th April 2020

6. How to add / subtract fractions 2 - ANSWERS

Try this example on your own.

Draw a number line to help with the answer if you need to.

$\frac{1}{4}$ + $\frac{1}{5}$ =

a) multiply the first fraction by the bottom of the second fraction (5)

|  |  |  |
| --- | --- | --- |
| 1 | x5 | 5 |
| 4 | x5 | 20 |

b) multiply the second fraction by the bottom number of the first fraction (4)

|  |  |  |
| --- | --- | --- |
| 1 | x4 | 4 |
| 5 | x4 | 20 |

c) now add your two new fractions together. Here’s a number line to help.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ | $$\frac{1}{20}$$ |

0 1

Try these questions, drawing number lines if you need to.

a) $\frac{1}{3}$ + $\frac{1}{7}$ = $\frac{10}{21}$

b) $\frac{1}{4}$ + $\frac{1}{6}$ = $\frac{10}{24}$

c) $\frac{2}{3}$ + $\frac{1}{4}$ = $\frac{11}{12}$

It also works for subtraction.

d) $\frac{1}{3}$ - $\frac{1}{4}$ = $\frac{1}{12}$

e) $\frac{1}{2}$ - $\frac{2}{5}$ = $\frac{1}{10}$

f) $\frac{1}{2}$ - $\frac{1}{7}$ = $\frac{5}{14}$





