

24.2.21

Add mixed numbers activity

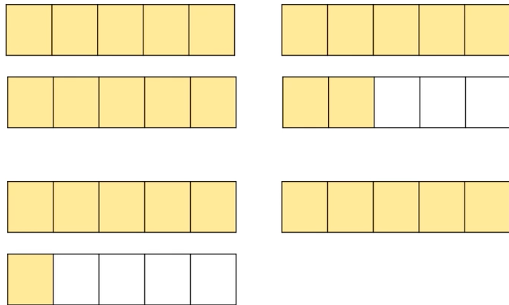
$$3\frac{2}{5} + 2\frac{1}{5} =$$

Here are two mixed numbers to add together, luckily the denominator is the same so we could rearrange the numbers and write it like this:

$$3 + 2 + \frac{2}{5} + \frac{1}{5} =$$

then add up the whole numbers followed by the fractions to give us the answer:

$$3 + 2 + \frac{2}{5} + \frac{1}{5} = 5\frac{3}{5}$$



1) $4\frac{2}{7} + 5\frac{3}{7} =$



Have a go at these questions.

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



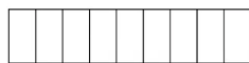
You may need to use your knowledge of equivalent fractions for question 2 and 3.

3) $2\frac{2}{9} + 2\frac{8}{18} =$



Also check your answers can't be simplified using your knowledge of equivalent fractions too!

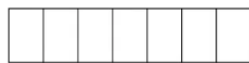
ANSWERS!



$$9\frac{5}{7} = 4\frac{2}{7} + 5\frac{3}{7} \quad (1)$$



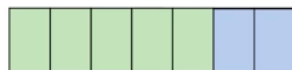
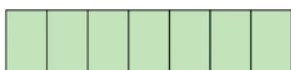
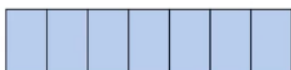
$$3\frac{3}{8} = 1\frac{2}{3} + 2\frac{1}{12} \quad (2)$$



$$6\frac{7}{5} = 5\frac{2}{3} + 2\frac{4}{15} \quad (3)$$

$$1\frac{2}{7} + 1\frac{5}{7} = 2\frac{7}{7}$$

Looking at this question we can see that the answer is a whole fraction, therefore we can write this answer simply as 3.



$$1) 2\frac{5}{11} + 4\frac{6}{11} =$$

Have a go at these questions using the same principle.

$$2) 1\frac{5}{6} + 3\frac{3}{18} =$$

$$3) 1\frac{6}{20} + \frac{7}{10} =$$

ANSWERS:

$$3) 1\frac{1}{6} + \frac{10}{7} = 2\frac{10}{42}$$

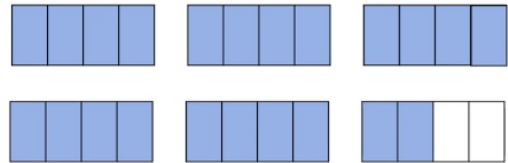
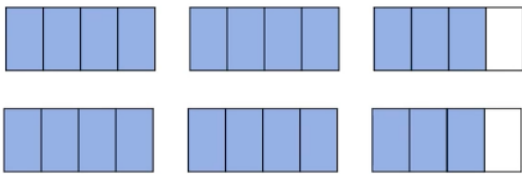
$$2) 1\frac{1}{5} + 3\frac{6}{18} = 5\frac{15}{18}$$

$$1) 2\frac{11}{5} + 4\frac{11}{6} = 7\frac{11}{30}$$

Sometimes when adding the fraction you get an improper fraction. This means you need to add more to the whole number:

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

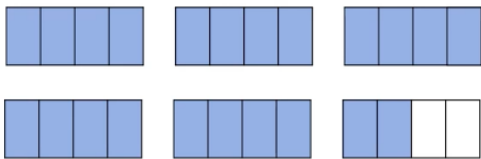
$$2\frac{3}{4} + 2\frac{3}{4} = 5\frac{2}{4}$$



Alternatively you could change the mixed numbers into improper fractions to add them, then change it back to an mixed number:

$$2\frac{3}{4} + 2\frac{3}{4} = 5\frac{2}{4}$$

$$\frac{11}{4} + \frac{11}{4} = \frac{22}{4}$$



$$\frac{4}{4} + \frac{8}{4} + \frac{12}{4} + \frac{16}{4} + \frac{20}{4}$$

Have a go at these questions:

$$1) 4\frac{7}{9} + 3\frac{4}{9} =$$

$$2) 3\frac{25}{9} + 5\frac{4}{4} = 9\frac{25}{4}$$

$$2) 3\frac{6}{25} + 5\frac{4}{5} =$$

$$1) 4\frac{7}{7} + 3\frac{9}{4} = 8\frac{7}{2}$$

Finally use all of your understanding from this activity lesson to complete the following:

$$1) 7\frac{2}{6} + 1\frac{20}{30} =$$

$$2) \frac{14}{3} + 1\frac{1}{3} =$$

$$3) 5\frac{3}{2} + 2\frac{15}{10} = 7\frac{15}{11}$$

$$4) 4\frac{11}{8} + 4\frac{11}{10} = 9\frac{11}{2}$$

$$3) 5\frac{2}{3} + 2\frac{1}{15} =$$

$$4) 4\frac{8}{11} + 4\frac{10}{22} =$$

$$2) \frac{3}{14} + 1\frac{3}{15} = 6\frac{3}{5}$$

$$1) 7\frac{6}{2} + 1\frac{30}{20} = 9\frac{6}{4}$$