

ADD MIXED NUMBERS



GET READY



1) Convert these mixed numbers to improper fractions:

$$2\frac{1}{4}$$

$$3\frac{3}{5}$$

2) Convert these improper fractions to mixed numbers:

$$\frac{16}{5}$$

$$\frac{18}{7}$$

1) Convert these mixed numbers to improper fractions:

$$2\frac{1}{4} = \frac{9}{4}$$

$$3\frac{3}{5} = \frac{18}{5}$$

$$2 \times \frac{4}{4} = \frac{8}{4}$$

$$\frac{8}{4} + \frac{1}{4}$$

$$3 \times \frac{5}{5} = \frac{15}{5}$$

$$\frac{15}{5} + \frac{3}{5}$$

2) Convert these improper fractions to mixed numbers:

$$\frac{16}{5} = 3\frac{1}{5}$$

$$\frac{18}{7} = 2\frac{4}{7}$$

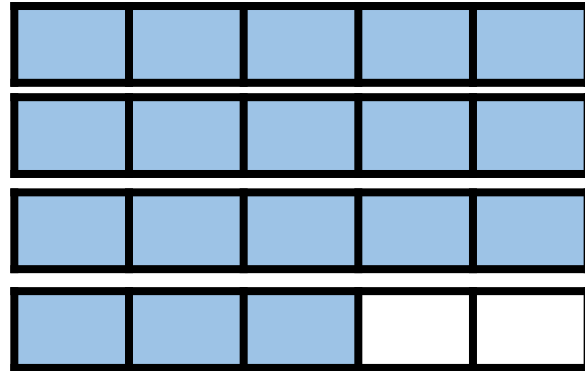
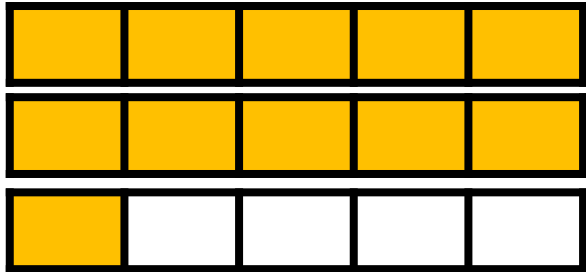
LET'S LEARN



$$2\frac{1}{5} + 3\frac{3}{5} = \frac{29}{5} \text{ or } 5\frac{4}{5}$$



I'm going to convert both mixed numbers to improper fractions first



$$2\frac{1}{5} = \frac{11}{5}$$

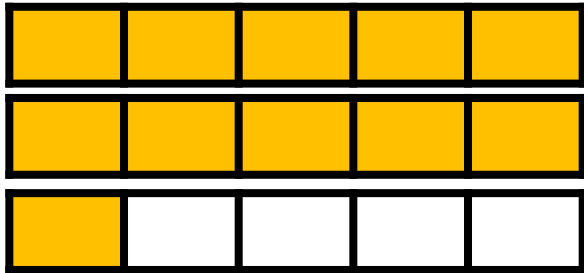
$$2 \times \frac{5}{5} + \frac{1}{5}$$

$$3\frac{3}{5} = \frac{18}{5}$$

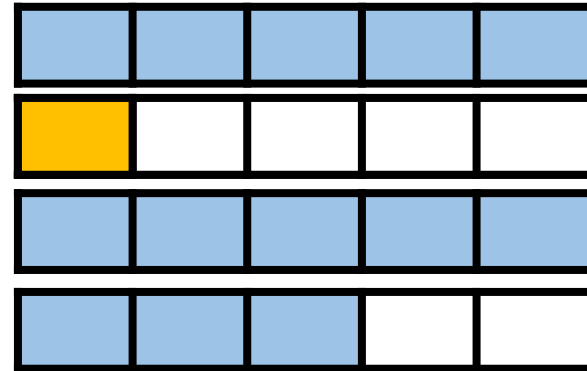
$$2\frac{1}{5} + 3\frac{3}{5} = 5\frac{4}{5}$$



I'm going to add my whole numbers and fractions separately.



$$2 + 3 = 5$$



$$\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$$



I'm going to convert them both to improper fractions first

$$2\frac{1}{5} = \frac{11}{5}$$

$$3\frac{3}{5} = \frac{18}{5}$$

$$2\frac{1}{5} + 3\frac{3}{5} = \frac{29}{5} \text{ or } 5\frac{4}{5}$$



I'm going to add my whole numbers and fractions separately.

$$2 + 3 = 5$$

$$\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$$

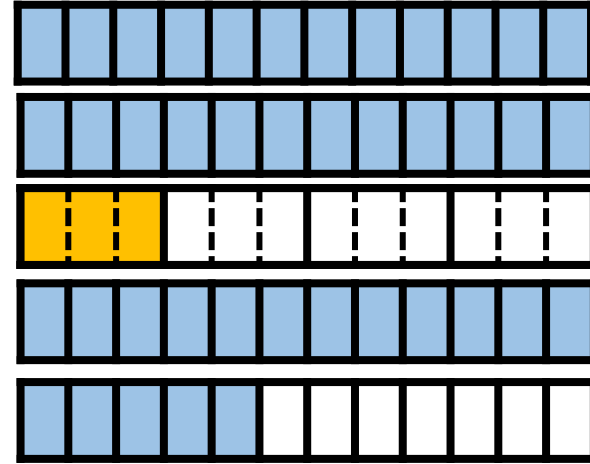
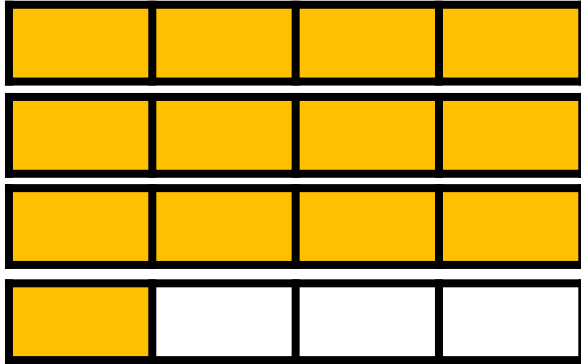
$$2\frac{1}{5} + 3\frac{3}{5} = 5\frac{4}{5}$$



Whose method do you prefer? Why?

Have a think

$$3 \frac{1}{4} + 4 \frac{5}{12} = 7 \frac{8}{12}$$



$$3 + 4 = 7$$

$$\begin{array}{r} \times 3 \quad \left(\frac{1}{4} + \frac{5}{12} \right) \\ \frac{3}{12} \\ \frac{3}{12} + \frac{5}{12} = \frac{8}{12} \end{array}$$

YOUR TURN

Have a go at questions
1 - 2 on the worksheet




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

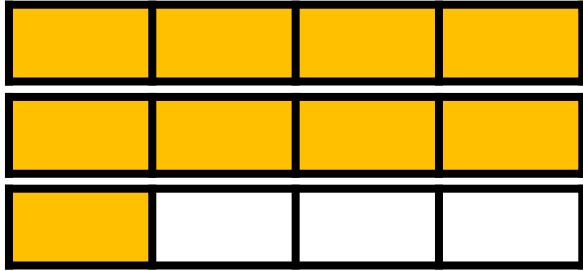
$2 + 1 = 3$ $\frac{1}{4} = \frac{2}{8}$ $\frac{2}{8} + \frac{7}{8}$ $3\frac{9}{8}$



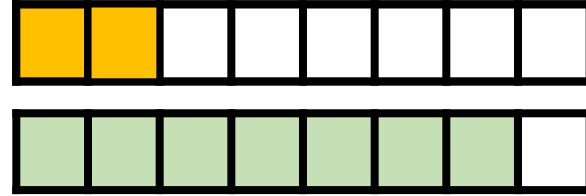
$2\frac{1}{4} = \frac{9}{4}$ $1\frac{7}{8} = \frac{15}{8}$ $\frac{18}{8} + \frac{15}{8}$ $\frac{33}{8} = 4\frac{1}{8}$

Have a think 

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



$$2 + 1 = 3$$



$$1\frac{7}{8}$$

$$4\frac{1}{8}$$

YOUR TURN

Have a go at questions
3 - 6 on the worksheet



$$6\frac{2}{4} + 4\frac{2}{4} = 7\frac{3}{4}$$

$$3\frac{\square}{6} + \square\frac{\square}{3} = \frac{\square}{6} = 6$$

Have a think 

$$3 \frac{\boxed{4}}{6} + \boxed{3} \frac{\boxed{1}}{3} = \frac{\boxed{36}}{6} = 6$$

$$3 + 3 = 6$$

$$\frac{\boxed{4}}{6} + \frac{\boxed{1}}{3} = 1$$

$\frac{2}{6}$

YOUR TURN

Have a go at the rest of
the questions on the
worksheet

