# Add mixed numbers

**1** Teddy and Mo are adding mixed numbers.

Teddy

$3\frac{1}{4} + 2\frac{5}{8} = 5 + \frac{7}{8} = 5\frac{7}{8}$

Mo

$3\frac{1}{4} + 2\frac{5}{8} = \frac{26}{8} + \frac{21}{8} = \frac{47}{8} = 5\frac{7}{8}$

Whose method do you prefer? _____

Talk about it with a partner.

**2** Complete the calculations.

**a)** $1\frac{2}{5} + 2\frac{3}{10} =$ ☐

**b)** $2\frac{2}{5} + 2\frac{3}{10} =$ ☐

**c)** $1\frac{3}{4} + 3\frac{3}{20} =$ ☐

**d)** $1\frac{3}{16} + 4\frac{3}{4} =$ ☐

**e)** $4\frac{1}{4} + 2\frac{11}{16} =$ ☐

**f)** $1\frac{4}{15} + 3\frac{2}{3} =$ ☐

**3**

$2\frac{3}{5} + 1\frac{7}{10} = 3 + \frac{13}{10} = 3\frac{13}{10}$

How can Ron improve his answer?

_____

_____

**4** Complete the additions.

**a)** $2\frac{3}{4} + 3\frac{5}{12} =$ ☐

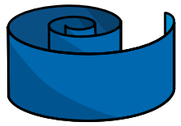
**b)** $3\frac{2}{3} + 2\frac{7}{12} =$ ☐

© White Rose Maths 2019

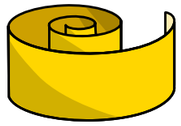
**c)** $5\frac{1}{6} + 3\frac{11}{12} = \square$

**d)** $6\frac{7}{15} + 3\frac{3}{5} = \square$

**5** A blue ribbon is $2\frac{4}{9}$ metres long.



A yellow ribbon is $3\frac{2}{3}$ metres long.

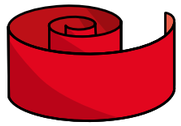


**a)** What is the total length of the blue and yellow ribbon?

$\square$ m

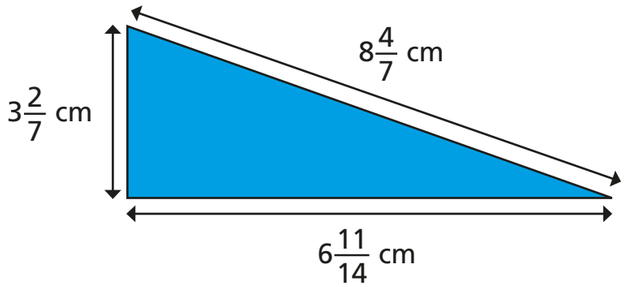
**b)** A red ribbon is $1\frac{5}{18}$ metres longer than the yellow ribbon.

How long is the red ribbon?



$\square$ m

**6** Calculate the perimeter of the triangle.




$\square$ cm

**7** Complete the calculation in three different ways.

$\square\ \frac{\square}{5} + \square\ \frac{\square}{15} = 6 + \frac{11}{15} = \square$

$\square\ \frac{\square}{5} + \square\ \frac{\square}{15} = 6 + \frac{11}{15} = \square$

$\square\ \frac{\square}{5} + \square\ \frac{\square}{15} = 6 + \frac{11}{15} = \square$

Compare answers with a partner.

**8** Here are some number cards.

| | | | | | |
|---|---|---|---|---|---|
| $3\frac{1}{6}$ | $2\frac{11}{12}$ | $2\frac{5}{6}$ | $3\frac{5}{6}$ | $4\frac{1}{12}$ | $4\frac{1}{3}$ |

**a)** What is the greatest total you can make with two cards?

$\square$

**b)** What is the smallest total you can make with two cards?

$\square$

© White Rose Maths 2019