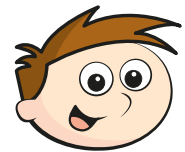# Add mixed numbers

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) $1\frac{2}{5} + 2\frac{3}{10} = \boxed{}$
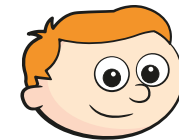
b) $2\frac{2}{5} + 2\frac{3}{10} = \boxed{}$

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

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

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

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

3

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

How can Ron improve his answer?
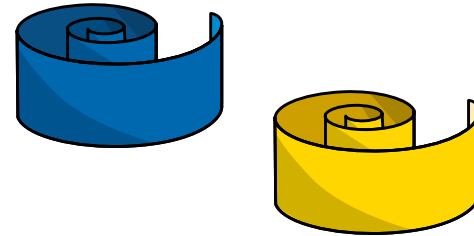
_____

_____

4 Complete the additions.

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

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

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

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

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

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

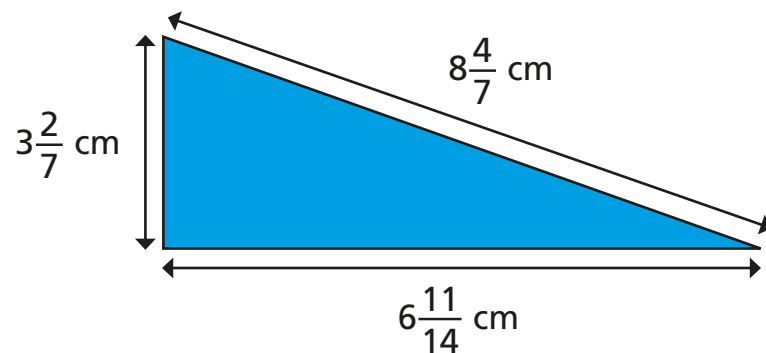**a)** What is the total length of the blue and yellow ribbon?

$\boxed{}$ m

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

How long is the red ribbon?
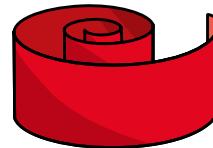
$\boxed{}$ m

6 Calculate the perimeter of the triangle.

$8\frac{4}{7}$ cm

$3\frac{2}{7}$ cm

$6\frac{11}{14}$ cm

$\boxed{}$ cm

7 Complete the calculation in three different ways.

$\boxed{}\dfrac{\boxed{}}{5} + \boxed{}\dfrac{\boxed{}}{15} = 6 + \dfrac{11}{15} = \boxed{}$

$\boxed{}\dfrac{\boxed{}}{5} + \boxed{}\dfrac{\boxed{}}{15} = 6 + \dfrac{11}{15} = \boxed{}$

$\boxed{}\dfrac{\boxed{}}{5} + \boxed{}\dfrac{\boxed{}}{15} = 6 + \dfrac{11}{15} = \boxed{}$

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?

$\boxed{}$

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

$\boxed{}$