

1 Teddy and Mo are adding mixed numbers.



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

Teddy

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

Mo



Whose method do you prefer?

Talk about it with a partner.

2 Complete the calculations.

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

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

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

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

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

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

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

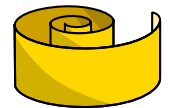
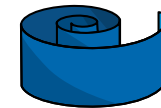
c) $5\frac{1}{6} + 3\frac{11}{12} = \square$

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

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?

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

How long is the red ribbon?



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

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

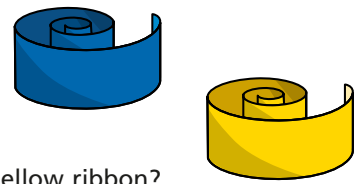
b) $3\frac{2}{3} + 2\frac{7}{12} = \square$

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

5

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

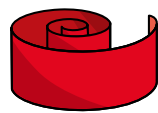
A yellow ribbon is $3\frac{2}{3}$ metres long.



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

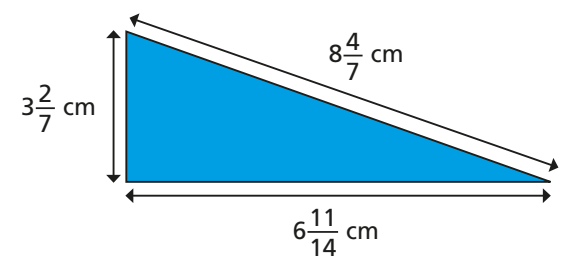
b) A red ribbon is $1\frac{5}{18}$ metres longer than the yellow ribbon.

How long is the red ribbon?



6

Calculate the perimeter of the triangle.



7

Complete the calculation in three different ways.

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

Compare answers with a partner.

8

Here are some number cards.

$3\frac{1}{6}$	$2\frac{11}{12}$	$2\frac{5}{6}$	$3\frac{5}{6}$	$4\frac{1}{12}$	$4\frac{1}{3}$
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a) What is the greatest total you can make with two cards?

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