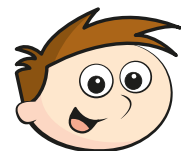


Add two mixed numbers

1 Teddy and Mo are adding mixed numbers.



Teddy

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

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



Mo

Whose method do you prefer?

Talk about it with a partner.

2 Complete the additions.

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

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

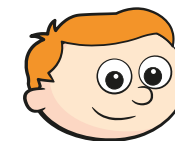
c) $1\frac{3}{4} + 3\frac{3}{20} =$

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

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

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.

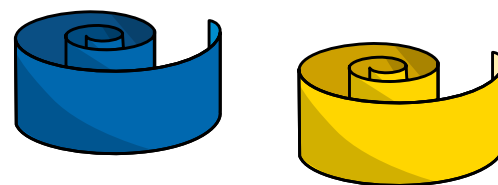
a) $2\frac{3}{4} + 3\frac{5}{12} =$

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

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

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

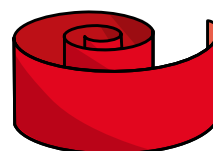
- 5 A blue ribbon is $2\frac{4}{9}$ m long.
A yellow ribbon is $3\frac{2}{3}$ m long.



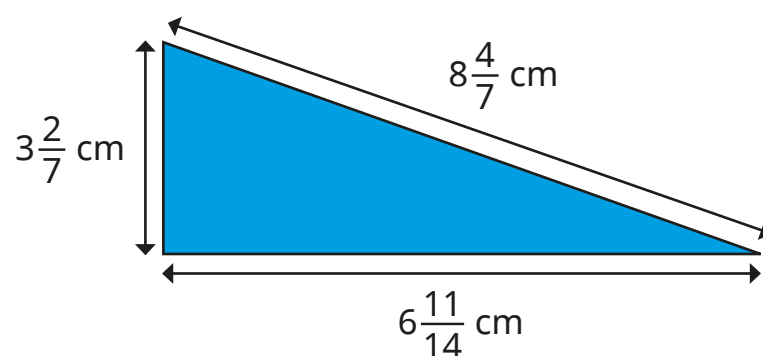
a) What is the total length of the blue and yellow ribbons?

 m

b) A red ribbon is $1\frac{5}{18}$ m longer than the yellow ribbon.
How long is the red ribbon?


 m

- 6 Work out the perimeter of the triangle.


 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.

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