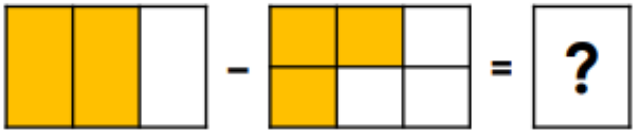
4b. Complete the subtraction related to the image.



Give your answer in its simplest form.

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

LO: to subtract fractions

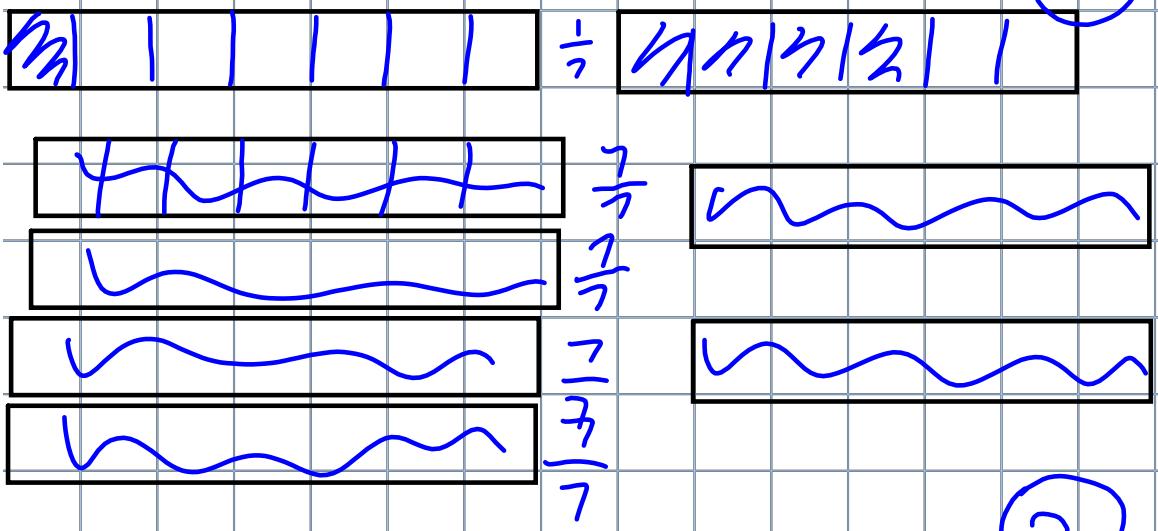
I do

$4\frac{1}{7} - 2\frac{4}{6} = 1\frac{10}{21}$

29/7 16/6

(5)

(1)



(2)

$\frac{29}{7} - \frac{16 \div 2}{6 \div 2}$

(3)

$\frac{29^{\times 3}}{7 \times 3} - \frac{8^{\times 7}}{3 \times 7}$

$\frac{87}{21} - \frac{56}{21}$

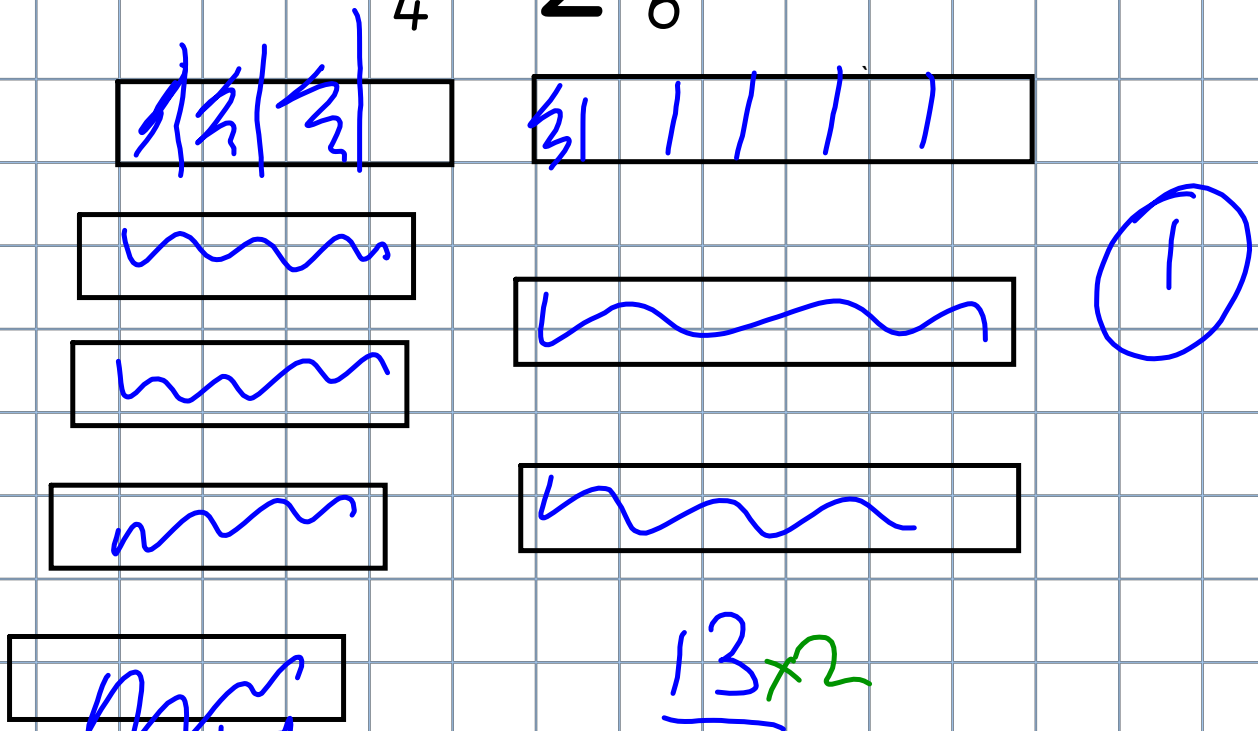
$31 \div 21 = 1\frac{10}{21}$

(4)

LO: to subtract fractions

we do

$4\frac{3}{4} - 2\frac{1}{6} =$



1

$\frac{19}{4} \times 3$

$\frac{57}{12}$

$\frac{13}{6} \times 2$

$\frac{26}{12}$

$2\frac{7}{12}$

$\frac{57}{12} - \frac{26}{12} = \frac{31}{12}$

LO: to subtract fractions

Complete in books, showing all your workings out.

you do

$1\frac{7}{9} - 1\frac{9}{12}$	$\frac{1}{36}$
$3\frac{3}{11} - 2\frac{1}{7}$	$1\frac{10}{77}$
$3\frac{4}{5} - 2\frac{3}{6}$	$1\frac{3}{10}$
$3\frac{6}{11} - 1\frac{3}{8}$	$2\frac{15}{88}$
$3\frac{6}{9} - 3\frac{9}{16}$	$\frac{5}{48}$

LO: to subtract fractions

we do

REASONING 3

Jane thinks that she does not need to convert these fractions in order to subtract them.

$$2\frac{3}{4} - 1\frac{1}{2}$$

Do you agree? Why / Why not?

REASONING 4

Spot the mistake.

$$4\frac{5}{9} - 3\frac{2}{3} = 1\frac{1}{9}$$

LO: to subtract fractions

we do

$a = d - 7$

$c + c = 2$

$3 \times 4 = d$

$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

LO: to subtract fractions

we do

you do

Complete in books:

Reasoning 3

Reasoning 4

Value of e

REASONING 4

Spot the mistake.

$$4\frac{5}{9} - 3\frac{2}{3} = 1\frac{1}{9}$$

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

REASONING 3

Jane thinks that she does not need to convert these fractions in order to subtract them.

$$2\frac{3}{4} - 1\frac{1}{2}$$

Do you agree? Why / Why not?

LO: to subtract fractions

we do

Pink highlighter at the ready...here is the answer!

Reasoning 3

Modelled DAB Reasoning Response

D – I agree with Jane.

A – I do not need to convert the fractions to subtract them.

B – I know that $\frac{3}{4} - \frac{1}{2} = \frac{1}{4}$ so $2\frac{3}{4} - 1\frac{1}{2} = 1\frac{1}{4}$

Reasoning 4

Modelled DAB Reasoning Response

D – The answer is incorrect.

A – The second fraction has been converted to ninths and its numerator (6) has subtracted the first fraction's numerator (5). The mixed numbers need to be converted to improper fractions to complete the calculation.

B – The calculation should be:

$$4\frac{5}{9} - 3\frac{2}{3} = 4\frac{5}{9} - 3\frac{6}{9} = \frac{41}{9} - \frac{33}{9} = \frac{8}{9}$$

LO: to subtract fractions

we do

Pink highlighter at the ready....here is the answer!

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

A = 5

B = 2

C = 1

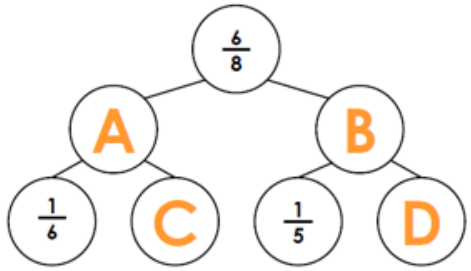
D = 12

E = 2

$$5\frac{1}{2} - 3\frac{1}{12} = 2\frac{5}{12}$$

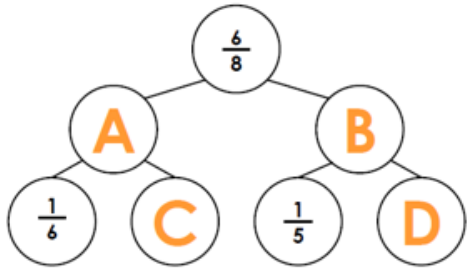
9b. Complete the part whole model.

Hint B is double A.



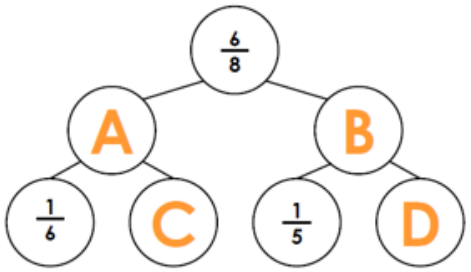
9b. Complete the part whole model.

Hint B is double A.



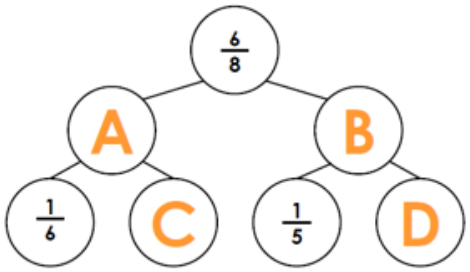
9b. Complete the part whole model.

Hint B is double A.



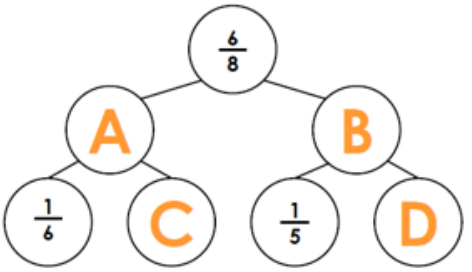
9b. Complete the part whole model.

Hint B is double A.



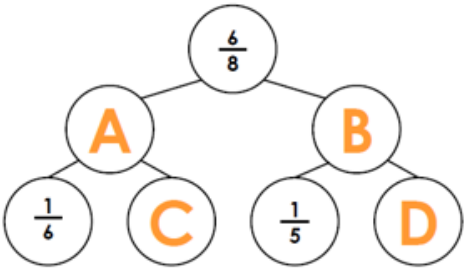
9b. Complete the part whole model.

Hint B is double A.



9b. Complete the part whole model.

Hint B is double A.



REASONING 4

Spot the mistake.

$$4\frac{5}{9} - 3\frac{2}{3} = 1\frac{1}{9}$$

REASONING 4

Spot the mistake.

$$4\frac{5}{9} - 3\frac{2}{3} = 1\frac{1}{9}$$

REASONING 4

Spot the mistake.

$$4\frac{5}{9} - 3\frac{2}{3} = 1\frac{1}{9}$$

REASONING 4

Spot the mistake.

$$4\frac{5}{9} - 3\frac{2}{3} = 1\frac{1}{9}$$

REASONING 4

Spot the mistake.

$$4\frac{5}{9} - 3\frac{2}{3} = 1\frac{1}{9}$$

REASONING 4

Spot the mistake.

$$4\frac{5}{9} - 3\frac{2}{3} = 1\frac{1}{9}$$

REASONING 3

Jane thinks that she does not need to convert these fractions in order to subtract them.

$2\frac{3}{4} - 1\frac{1}{2}$

Do you agree? Why / Why not?

REASONING 3

Jane thinks that she does not need to convert these fractions in order to subtract them.

$2\frac{3}{4} - 1\frac{1}{2}$

Do you agree? Why / Why not?

REASONING 3

Jane thinks that she does not need to convert these fractions in order to subtract them.

$2\frac{3}{4} - 1\frac{1}{2}$

Do you agree? Why / Why not?

REASONING 3

Jane thinks that she does not need to convert these fractions in order to subtract them.

$2\frac{3}{4} - 1\frac{1}{2}$

Do you agree? Why / Why not?

REASONING 3

Jane thinks that she does not need to convert these fractions in order to subtract them.

$2\frac{3}{4} - 1\frac{1}{2}$

Do you agree? Why / Why not?

REASONING 3

Jane thinks that she does not need to convert these fractions in order to subtract them.

$2\frac{3}{4} - 1\frac{1}{2}$

Do you agree? Why / Why not?

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

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

$\frac{1}{3} - \frac{1}{6} =$ $\frac{1}{3} - \frac{1}{6} =$ $\frac{1}{3} - \frac{1}{6} =$ $\frac{1}{3} - \frac{1}{6} =$

$\frac{2}{3} - \frac{1}{6} =$ $\frac{2}{3} - \frac{1}{6} =$ $\frac{2}{3} - \frac{1}{6} =$ $\frac{2}{3} - \frac{1}{6} =$

$\frac{3}{4} - \frac{1}{2} =$ $\frac{3}{4} - \frac{1}{2} =$ $\frac{3}{4} - \frac{1}{2} =$ $\frac{3}{4} - \frac{1}{2} =$

$\frac{5}{6} - \frac{1}{3} =$ $\frac{5}{6} - \frac{1}{3} =$ $\frac{5}{6} - \frac{1}{3} =$ $\frac{5}{6} - \frac{1}{3} =$

$\frac{5}{6} - \frac{2}{3} =$ $\frac{5}{6} - \frac{2}{3} =$ $\frac{5}{6} - \frac{2}{3} =$ $\frac{5}{6} - \frac{2}{3} =$

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

$a = d - 7$
$c + c = 2$
$3 \times 4 = d$
$b = a - 3$

Use this information to complete the following calculation and find the value of e.

$$a\frac{c}{b} - 3\frac{c}{d} = e\frac{a}{d}$$

$\frac{16}{25} - \frac{3}{5} =$ $\frac{16}{25} - \frac{3}{5} =$ $\frac{16}{25} - \frac{3}{5} =$

$\frac{\quad}{\quad} - \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} - \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} - \frac{\quad}{\quad} =$

$\frac{3}{11} - \frac{1}{5} =$ $\frac{3}{11} - \frac{1}{5} =$ $\frac{3}{11} - \frac{1}{5} =$

$\frac{\quad}{\quad} - \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} - \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} - \frac{\quad}{\quad} =$

$\frac{1}{6} - \frac{1}{8} =$ $\frac{1}{6} - \frac{1}{8} =$ $\frac{1}{6} - \frac{1}{8} =$

$\frac{\quad}{\quad} - \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} - \frac{\quad}{\quad} =$ $\frac{\quad}{\quad} - \frac{\quad}{\quad} =$

$\mathbf{\frac{3}{10} - \frac{5}{20} =}$ $\mathbf{\frac{3}{10} - \frac{5}{20} =}$ $\mathbf{\frac{3}{10} - \frac{5}{20} =}$

$\frac{3/4 - 6/8}{5/10 - 1/3}$ $\frac{3/4 - 6/8}{5/10 - 1/3}$ $\frac{3/4 - 6/8}{5/10 - 1/3}$

LO: to subtract fractions

Complete in books, showing all your workings out.

you do

$\frac{3}{8} - \frac{2}{7}$	$\frac{5}{56}$
$\frac{3}{4} - \frac{6}{8}$	0
$\frac{5}{10} - \frac{1}{3}$	$\frac{1}{6}$
$\frac{5}{11} - \frac{2}{6}$	$\frac{4}{33}$
$\frac{7}{11} - \frac{1}{3}$	$\frac{10}{33}$