

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

$$\frac{16}{6}$$

5

I do

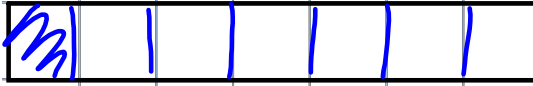
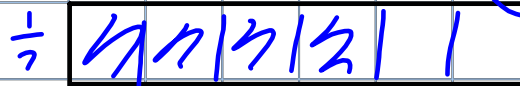
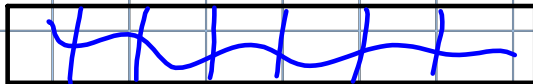
$$\frac{29}{7}$$

$$4\frac{1}{7}$$

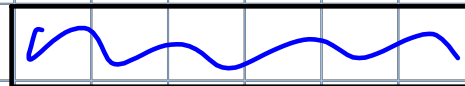
$$- 2\frac{4}{6}$$

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

1



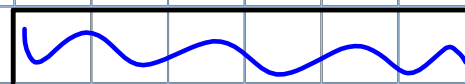
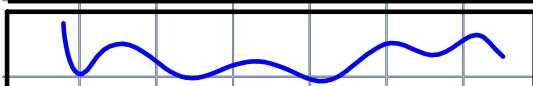
$$\frac{1}{7}$$



$$\frac{1}{7}$$



$$\frac{1}{7}$$



$$\frac{1}{7}$$

2

$$\frac{29}{7}$$

$$-$$

$$\frac{16}{6}$$

$$\div 2$$

3

$$\frac{29 \times 3}{7 \times 3}$$

$$\frac{8 \times 3}{3 \times 7}$$

$$\frac{87}{21}$$

$$-$$

$$\frac{56}{21}$$

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

$$21$$

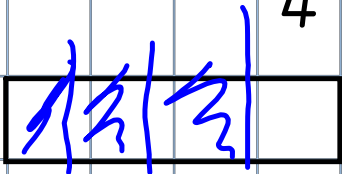
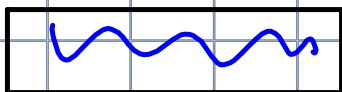
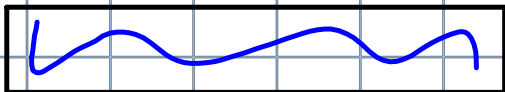
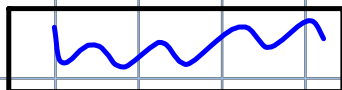
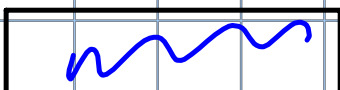
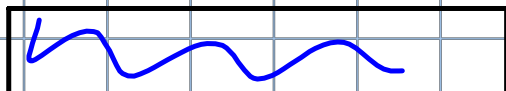
$$21$$

4

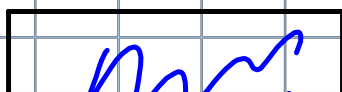
we
do

LO: to subtract fractions

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



1



$$\begin{array}{r} 12 \times 3 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 13 \times 2 \\ \hline 26 \end{array}$$

2 $\frac{7}{12}$

$$\begin{array}{r} 57 \\ \hline 12 \end{array} - \begin{array}{r} 26 \\ \hline 12 \end{array} = \begin{array}{r} 31 \\ \hline 12 \end{array}$$

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

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?

we do

REASONING 4

Spot the mistake.

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

LO: to subtract fractionswe
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

REASONING 4

Spot the mistake.

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

Complete in books:

Reasoning 3

Reasoning 4

Value of e

$$\begin{aligned} a &= d - 7 \\ c + c &= 2 \\ 3 \times 4 &= d \\ b &= a - 3 \end{aligned}$$

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

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

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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.

$$A = 5$$

$$B = 2$$

$$C = 1$$

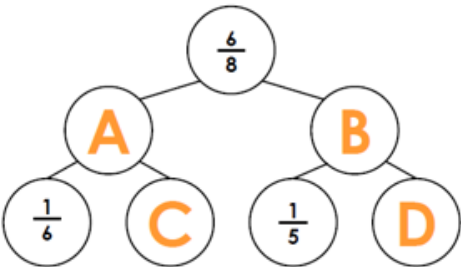
$$D = 12$$

$$E = 2$$

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

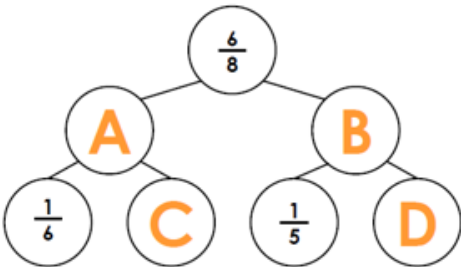
$$5 \frac{1}{2} - 3 \frac{1}{2} = 2 \frac{5}{2}$$

9b. Complete the part whole model.
Hint B is double A.



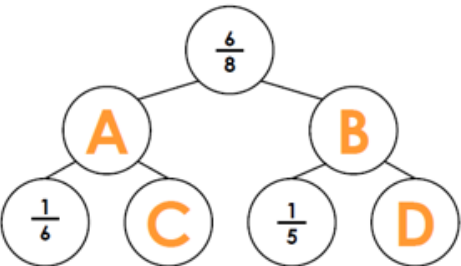
PS

9b. Complete the part whole model.
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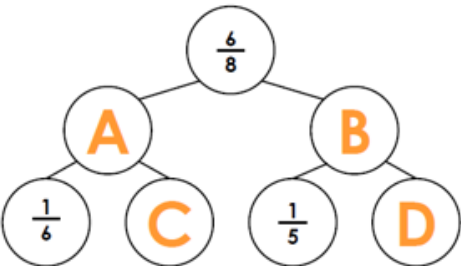
PS

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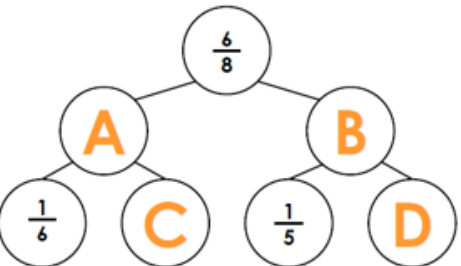
PS

9b. Complete the part whole model.
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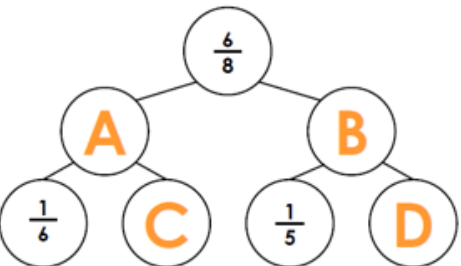
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9b. Complete the part whole model.
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Use this information to complete the following calculation and find the value of e.

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

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

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

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

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

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

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

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

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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.

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

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} =$$

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

$$\frac{3}{4} - \frac{6}{8}$$

$$\frac{5}{10} - \frac{1}{3}$$

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

$$\frac{3}{4} - \frac{6}{8}$$

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$$\frac{3}{4} - \frac{6}{8}$$

$$\frac{5}{10} - \frac{1}{3}$$

LO: to subtract fractions

Complete in books, showing all your workings out.

you
do

$$\frac{3}{8} - \frac{2}{7}$$

$$\frac{5}{56}$$

$$\frac{3}{4} - \frac{6}{8}$$

$$0$$

$$\frac{5}{10} - \frac{1}{3}$$

$$\frac{1}{6}$$

$$\frac{5}{11} - \frac{2}{6}$$

$$\frac{4}{33}$$

$$\frac{7}{11} - \frac{1}{3}$$

$$\frac{10}{33}$$