

Name: \_\_\_\_\_

Date: \_\_\_\_\_

2-step backtracking: Answers

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(1)

$x$
=
20

 $\xrightarrow{\div 5}$ 

$\frac{x}{5}$
=
4

 $\xrightarrow{+9}$ 

$\frac{x}{5} + 9$
=
13

$\xleftarrow{\times 5}$        $\xleftarrow{-9}$

(6)

$x$
=
48

 $\xrightarrow{\div 8}$ 

$\frac{x}{8}$
=
6

 $\xrightarrow{+8}$ 

$\frac{x}{8} + 8$
=
14

$\xleftarrow{\times 8}$        $\xleftarrow{-8}$

(2)

$x$
=
80

 $\xrightarrow{\div 8}$ 

$\frac{x}{8}$
=
10

 $\xrightarrow{+10}$ 

$\frac{x}{8} + 10$
=
20

$\xleftarrow{\times 8}$        $\xleftarrow{-10}$

(7)

$x$
=
42

 $\xrightarrow{\div 6}$ 

$\frac{x}{6}$
=
7

 $\xrightarrow{+6}$ 

$\frac{x}{6} + 6$
=
13

$\xleftarrow{\times 6}$        $\xleftarrow{-6}$

(3)

$x$
=
27

 $\xrightarrow{\div 9}$ 

$\frac{x}{9}$
=
3

 $\xrightarrow{+4}$ 

$\frac{x}{9} + 4$
=
7

$\xleftarrow{\times 9}$        $\xleftarrow{-4}$

(8)

$x$
=
5

 $\xrightarrow{\div 5}$ 

$\frac{x}{5}$
=
1

 $\xrightarrow{+4}$ 

$\frac{x}{5} + 4$
=
5

$\xleftarrow{\times 5}$        $\xleftarrow{-4}$

(4)

$x$
=
18

 $\xrightarrow{\div 3}$ 

$\frac{x}{3}$
=
6

 $\xrightarrow{+8}$ 

$\frac{x}{3} + 8$
=
14

$\xleftarrow{\times 3}$        $\xleftarrow{-8}$

(9)

$x$
=
8

 $\xrightarrow{\div 2}$ 

$\frac{x}{2}$
=
4

 $\xrightarrow{+6}$ 

$\frac{x}{2} + 6$
=
10

$\xleftarrow{\times 2}$        $\xleftarrow{-6}$

(5)

$x$
=
40

 $\xrightarrow{\div 5}$ 

$\frac{x}{5}$
=
8

 $\xrightarrow{+6}$ 

$\frac{x}{5} + 6$
=
14

$\xleftarrow{\times 5}$        $\xleftarrow{-6}$

(10)

$x$
=
80

 $\xrightarrow{\div 8}$ 

$\frac{x}{8}$
=
10

 $\xrightarrow{+4}$ 

$\frac{x}{8} + 4$
=
14

$\xleftarrow{\times 8}$        $\xleftarrow{-4}$