

Name: _____

Date: _____

2-step backtracking: Answers

(1)

x
=
30

 $\xrightarrow{\div 3}$

$\frac{x}{3}$
=
10

 $\xrightarrow{+2}$

$\frac{x}{3} + 2$
=
12

$\xleftarrow{\times 3} \quad \xleftarrow{-2}$

(6)

x
=
28

 $\xrightarrow{\div 7}$

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

 $\xrightarrow{+7}$

$\frac{x}{7} + 7$
=
11

$\xleftarrow{\times 7} \quad \xleftarrow{-7}$

(2)

x
=
28

 $\xrightarrow{\div 7}$

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

 $\xrightarrow{+1}$

$\frac{x}{7} + 1$
=
5

$\xleftarrow{\times 7} \quad \xleftarrow{-1}$

(7)

x
=
9

 $\xrightarrow{\div 3}$

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

 $\xrightarrow{+9}$

$\frac{x}{3} + 9$
=
12

$\xleftarrow{\times 3} \quad \xleftarrow{-9}$

(3)

x
=
40

 $\xrightarrow{\div 4}$

$\frac{x}{4}$
=
10

 $\xrightarrow{+6}$

$\frac{x}{4} + 6$
=
16

$\xleftarrow{\times 4} \quad \xleftarrow{-6}$

(8)

x
=
8

 $\xrightarrow{\div 8}$

$\frac{x}{8}$
=
1

 $\xrightarrow{+5}$

$\frac{x}{8} + 5$
=
6

$\xleftarrow{\times 8} \quad \xleftarrow{-5}$

(4)

x
=
21

 $\xrightarrow{\div 3}$

$\frac{x}{3}$
=
7

 $\xrightarrow{+1}$

$\frac{x}{3} + 1$
=
8

$\xleftarrow{\times 3} \quad \xleftarrow{-1}$

(9)

x
=
6

 $\xrightarrow{\div 3}$

$\frac{x}{3}$
=
2

 $\xrightarrow{+5}$

$\frac{x}{3} + 5$
=
7

$\xleftarrow{\times 3} \quad \xleftarrow{-5}$

(5)

x
=
70

 $\xrightarrow{\div 10}$

$\frac{x}{10}$
=
7

 $\xrightarrow{+5}$

$\frac{x}{10} + 5$
=
12

$\xleftarrow{\times 10} \quad \xleftarrow{-5}$

(10)

x
=
18

 $\xrightarrow{\div 2}$

$\frac{x}{2}$
=
9

 $\xrightarrow{+5}$

$\frac{x}{2} + 5$
=
14

$\xleftarrow{\times 2} \quad \xleftarrow{-5}$