

Name: _____

Date: _____

2-step backtracking: Answers

(1)

x
=
58

 $\xrightarrow{-8}$

$x - 8$
=
50

 $\xrightarrow{\div 10}$

$\frac{(x-8)}{10}$
=
5

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

(6)

x
=
27

 $\xrightarrow{-9}$

$x - 9$
=
18

 $\xrightarrow{\div 2}$

$\frac{(x-9)}{2}$
=
9

$\xleftarrow{+9}$ $\xleftarrow{\times 2}$

(2)

x
=
10

 $\xrightarrow{-7}$

$x - 7$
=
3

 $\xrightarrow{\div 1}$

$\frac{(x-7)}{1}$
=
3

$\xleftarrow{+7}$ $\xleftarrow{\times 1}$

(7)

x
=
33

 $\xrightarrow{-1}$

$x - 1$
=
32

 $\xrightarrow{\div 4}$

$\frac{(x-1)}{4}$
=
8

$\xleftarrow{+1}$ $\xleftarrow{\times 4}$

(3)

x
=
44

 $\xrightarrow{-9}$

$x - 9$
=
35

 $\xrightarrow{\div 5}$

$\frac{(x-9)}{5}$
=
7

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

(8)

x
=
29

 $\xrightarrow{-5}$

$x - 5$
=
24

 $\xrightarrow{\div 8}$

$\frac{(x-5)}{8}$
=
3

$\xleftarrow{+5}$ $\xleftarrow{\times 8}$

(4)

x
=
14

 $\xrightarrow{-6}$

$x - 6$
=
8

 $\xrightarrow{\div 4}$

$\frac{(x-6)}{4}$
=
2

$\xleftarrow{+6}$ $\xleftarrow{\times 4}$

(9)

x
=
47

 $\xrightarrow{-7}$

$x - 7$
=
40

 $\xrightarrow{\div 4}$

$\frac{(x-7)}{4}$
=
10

$\xleftarrow{+7}$ $\xleftarrow{\times 4}$

(5)

x
=
11

 $\xrightarrow{-1}$

$x - 1$
=
10

 $\xrightarrow{\div 1}$

$\frac{(x-1)}{1}$
=
10

$\xleftarrow{+1}$ $\xleftarrow{\times 1}$

(10)

x
=
21

 $\xrightarrow{-3}$

$x - 3$
=
18

 $\xrightarrow{\div 6}$

$\frac{(x-3)}{6}$
=
3

$\xleftarrow{+3}$ $\xleftarrow{\times 6}$

(11)

x
=
29

 $\xrightarrow{-1}$

$x - 1$
=
28

 $\xrightarrow{\div 7}$

$\frac{(x-1)}{7}$
=
4

$\xleftarrow{+1}$ $\xleftarrow{\times 7}$

(16)

x
=
51

 $\xrightarrow{-6}$

$x - 6$
=
45

 $\xrightarrow{\div 5}$

$\frac{(x-6)}{5}$
=
9

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

(12)

x
=
18

 $\xrightarrow{-6}$

$x - 6$
=
12

 $\xrightarrow{\div 6}$

$\frac{(x-6)}{6}$
=
2

$\xleftarrow{+6}$ $\xleftarrow{\times 6}$

(17)

x
=
14

 $\xrightarrow{-5}$

$x - 5$
=
9

 $\xrightarrow{\div 9}$

$\frac{(x-5)}{9}$
=
1

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

(13)

x
=
64

 $\xrightarrow{-8}$

$x - 8$
=
56

 $\xrightarrow{\div 8}$

$\frac{(x-8)}{8}$
=
7

$\xleftarrow{+8}$ $\xleftarrow{\times 8}$

(18)

x
=
13

 $\xrightarrow{-3}$

$x - 3$
=
10

 $\xrightarrow{\div 1}$

$\frac{(x-3)}{1}$
=
10

$\xleftarrow{+3}$ $\xleftarrow{\times 1}$

(14)

x
=
17

 $\xrightarrow{-5}$

$x - 5$
=
12

 $\xrightarrow{\div 2}$

$\frac{(x-5)}{2}$
=
6

$\xleftarrow{+5}$ $\xleftarrow{\times 2}$

(19)

x
=
21

 $\xrightarrow{-7}$

$x - 7$
=
14

 $\xrightarrow{\div 2}$

$\frac{(x-7)}{2}$
=
7

$\xleftarrow{+7}$ $\xleftarrow{\times 2}$

(15)

x
=
55

 $\xrightarrow{-5}$

$x - 5$
=
50

 $\xrightarrow{\div 5}$

$\frac{(x-5)}{5}$
=
10

$\xleftarrow{+5}$ $\xleftarrow{\times 5}$

(20)

x
=
16

 $\xrightarrow{-8}$

$x - 8$
=
8

 $\xrightarrow{\div 1}$

$\frac{(x-8)}{1}$
=
8

$\xleftarrow{+8}$ $\xleftarrow{\times 1}$