

Name: _____

Date: _____

2-step backtracking: Answers

(1)

x
=
153

 $\xrightarrow{\div 9}$

$\frac{x}{9}$
=
17

 $\xrightarrow{-9}$

$\frac{x}{9} - 9$
=
8

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

(6)

x
=
84

 $\xrightarrow{\div 6}$

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

 $\xrightarrow{-4}$

$\frac{x}{6} - 4$
=
10

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

(2)

x
=
55

 $\xrightarrow{\div 5}$

$\frac{x}{5}$
=
11

 $\xrightarrow{-9}$

$\frac{x}{5} - 9$
=
2

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

(7)

x
=
84

 $\xrightarrow{\div 6}$

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

 $\xrightarrow{-7}$

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

$\xleftarrow{\times 6} \quad \xleftarrow{+7}$

(3)

x
=
104

 $\xrightarrow{\div 8}$

$\frac{x}{8}$
=
13

 $\xrightarrow{-5}$

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

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

(8)

x
=
72

 $\xrightarrow{\div 8}$

$\frac{x}{8}$
=
9

 $\xrightarrow{-2}$

$\frac{x}{8} - 2$
=
7

$\xleftarrow{\times 8} \quad \xleftarrow{+2}$

(4)

x
=
27

 $\xrightarrow{\div 3}$

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

 $\xrightarrow{-4}$

$\frac{x}{3} - 4$
=
5

$\xleftarrow{\times 3} \quad \xleftarrow{+4}$

(9)

x
=
36

 $\xrightarrow{\div 2}$

$\frac{x}{2}$
=
18

 $\xrightarrow{-9}$

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

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

(5)

x
=
54

 $\xrightarrow{\div 9}$

$\frac{x}{9}$
=
6

 $\xrightarrow{-3}$

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

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

(10)

x
=
90

 $\xrightarrow{\div 9}$

$\frac{x}{9}$
=
10

 $\xrightarrow{-8}$

$\frac{x}{9} - 8$
=
2

$\xleftarrow{\times 9} \quad \xleftarrow{+8}$

(11)

x
=
56

 $\xrightarrow{\div 7}$

$\frac{x}{7}$
=
8

 $\xrightarrow{-3}$

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

$\xleftarrow{\times 7} \quad \xleftarrow{+3}$

(16)

x
=
126

 $\xrightarrow{\div 9}$

$\frac{x}{9}$
=
14

 $\xrightarrow{-5}$

$\frac{x}{9} - 5$
=
9

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

(12)

x
=
140

 $\xrightarrow{\div 10}$

$\frac{x}{10}$
=
14

 $\xrightarrow{-6}$

$\frac{x}{10} - 6$
=
8

$\xleftarrow{\times 10} \quad \xleftarrow{+6}$

(17)

x
=
63

 $\xrightarrow{\div 9}$

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

 $\xrightarrow{-3}$

$\frac{x}{9} - 3$
=
4

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

(13)

x
=
88

 $\xrightarrow{\div 8}$

$\frac{x}{8}$
=
11

 $\xrightarrow{-3}$

$\frac{x}{8} - 3$
=
8

$\xleftarrow{\times 8} \quad \xleftarrow{+3}$

(18)

x
=
77

 $\xrightarrow{\div 7}$

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

 $\xrightarrow{-8}$

$\frac{x}{7} - 8$
=
3

$\xleftarrow{\times 7} \quad \xleftarrow{+8}$

(14)

x
=
55

 $\xrightarrow{\div 5}$

$\frac{x}{5}$
=
11

 $\xrightarrow{-3}$

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

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

(19)

x
=
12

 $\xrightarrow{\div 2}$

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

 $\xrightarrow{-3}$

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

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

(15)

x
=
36

 $\xrightarrow{\div 4}$

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

 $\xrightarrow{-3}$

$\frac{x}{4} - 3$
=
6

$\xleftarrow{\times 4} \quad \xleftarrow{+3}$

(20)

x
=
24

 $\xrightarrow{\div 6}$

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

 $\xrightarrow{-2}$

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

$\xleftarrow{\times 6} \quad \xleftarrow{+2}$