

Name: _____

Date: _____

2-step backtracking: Answers

(1)

x
=
25

 $\xrightarrow{\div 5}$

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

 $\xrightarrow{-2}$

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

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

(6)

x
=
80

 $\xrightarrow{\div 10}$

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

 $\xrightarrow{-4}$

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

$\xleftarrow{\times 10} \quad \xleftarrow{+4}$

(2)

x
=
36

 $\xrightarrow{\div 3}$

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

 $\xrightarrow{-8}$

$\frac{x}{3} - 8$
=
4

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

(7)

x
=
117

 $\xrightarrow{\div 9}$

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

 $\xrightarrow{-4}$

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

$\xleftarrow{\times 9} \quad \xleftarrow{+4}$

(3)

x
=
33

 $\xrightarrow{\div 3}$

$\frac{x}{3}$
=
11

 $\xrightarrow{-8}$

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

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

(8)

x
=
28

 $\xrightarrow{\div 2}$

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

 $\xrightarrow{-7}$

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

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

(4)

x
=
66

 $\xrightarrow{\div 6}$

$\frac{x}{6}$
=
11

 $\xrightarrow{-7}$

$\frac{x}{6} - 7$
=
4

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

(9)

x
=
80

 $\xrightarrow{\div 10}$

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

 $\xrightarrow{-3}$

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

$\xleftarrow{\times 10} \quad \xleftarrow{+3}$

(5)

x
=
60

 $\xrightarrow{\div 4}$

$\frac{x}{4}$
=
15

 $\xrightarrow{-6}$

$\frac{x}{4} - 6$
=
9

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

(10)

x
=
84

 $\xrightarrow{\div 7}$

$\frac{x}{7}$
=
12

 $\xrightarrow{-2}$

$\frac{x}{7} - 2$
=
10

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

(11)

x	$\xrightarrow{\div 6}$	$\frac{x}{6}$	$\xrightarrow{-5}$	$\frac{x}{6} - 5$
=		=		=
60		10		5

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

(16)

x	$\xrightarrow{\div 4}$	$\frac{x}{4}$	$\xrightarrow{-5}$	$\frac{x}{4} - 5$
=		=		=
44		11		6

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

(12)

x	$\xrightarrow{\div 2}$	$\frac{x}{2}$	$\xrightarrow{-10}$	$\frac{x}{2} - 10$
=		=		=
24		12		2

$\xleftarrow{\times 2}$
 $\xleftarrow{+10}$

(17)

x	$\xrightarrow{\div 7}$	$\frac{x}{7}$	$\xrightarrow{-2}$	$\frac{x}{7} - 2$
=		=		=
42		6		4

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

(13)

x	$\xrightarrow{\div 9}$	$\frac{x}{9}$	$\xrightarrow{-6}$	$\frac{x}{9} - 6$
=		=		=
108		12		6

$\xleftarrow{\times 9}$
 $\xleftarrow{+6}$

(18)

x	$\xrightarrow{\div 3}$	$\frac{x}{3}$	$\xrightarrow{-9}$	$\frac{x}{3} - 9$
=		=		=
39		13		4

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

(14)

x	$\xrightarrow{\div 7}$	$\frac{x}{7}$	$\xrightarrow{-3}$	$\frac{x}{7} - 3$
=		=		=
70		10		7

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

(19)

x	$\xrightarrow{\div 4}$	$\frac{x}{4}$	$\xrightarrow{-8}$	$\frac{x}{4} - 8$
=		=		=
60		15		7

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

(15)

x	$\xrightarrow{\div 5}$	$\frac{x}{5}$	$\xrightarrow{-5}$	$\frac{x}{5} - 5$
=		=		=
55		11		6

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

(20)

x	$\xrightarrow{\div 2}$	$\frac{x}{2}$	$\xrightarrow{-5}$	$\frac{x}{2} - 5$
=		=		=
30		15		10

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