

Name: _____

Date: _____

2-step backtracking: Answers

(1)

x	$\xrightarrow{\times 2}$	$2x$	$\xrightarrow{+6}$	$2x + 6$
=		=		=
2		4		10
	$\xleftarrow{\div 2}$		$\xleftarrow{-6}$	

(6)

x	$\xrightarrow{\times 3}$	$3x$	$\xrightarrow{+7}$	$3x + 7$
=		=		=
8		24		31
	$\xleftarrow{\div 3}$		$\xleftarrow{-7}$	

(2)

x	$\xrightarrow{\times 7}$	$7x$	$\xrightarrow{+10}$	$7x + 10$
=		=		=
10		70		80
	$\xleftarrow{\div 7}$		$\xleftarrow{-10}$	

(7)

x	$\xrightarrow{\times 8}$	$8x$	$\xrightarrow{+8}$	$8x + 8$
=		=		=
10		80		88
	$\xleftarrow{\div 8}$		$\xleftarrow{-8}$	

(3)

x	$\xrightarrow{\times 7}$	$7x$	$\xrightarrow{+4}$	$7x + 4$
=		=		=
3		21		25
	$\xleftarrow{\div 7}$		$\xleftarrow{-4}$	

(8)

x	$\xrightarrow{\times 2}$	$2x$	$\xrightarrow{+9}$	$2x + 9$
=		=		=
5		10		19
	$\xleftarrow{\div 2}$		$\xleftarrow{-9}$	

(4)

x	$\xrightarrow{\times 6}$	$6x$	$\xrightarrow{+5}$	$6x + 5$
=		=		=
7		42		47
	$\xleftarrow{\div 6}$		$\xleftarrow{-5}$	

(9)

x	$\xrightarrow{\times 10}$	$10x$	$\xrightarrow{+4}$	$10x + 4$
=		=		=
3		30		34
	$\xleftarrow{\div 10}$		$\xleftarrow{-4}$	

(5)

x	$\xrightarrow{\times 2}$	$2x$	$\xrightarrow{+4}$	$2x + 4$
=		=		=
8		16		20
	$\xleftarrow{\div 2}$		$\xleftarrow{-4}$	

(10)

x	$\xrightarrow{\times 7}$	$7x$	$\xrightarrow{+5}$	$7x + 5$
=		=		=
8		56		61
	$\xleftarrow{\div 7}$		$\xleftarrow{-5}$	

(11)

	$\xrightarrow{\times 4}$		$\xrightarrow{+8}$	
x		$4x$		$4x + 8$
=		=		=
9		36		44
	$\xleftarrow{\div 4}$		$\xleftarrow{-8}$	

(16)

	$\xrightarrow{\times 5}$		$\xrightarrow{+7}$	
x		$5x$		$5x + 7$
=		=		=
10		50		57
	$\xleftarrow{\div 5}$		$\xleftarrow{-7}$	

(12)

	$\xrightarrow{\times 4}$		$\xrightarrow{+8}$	
x		$4x$		$4x + 8$
=		=		=
3		12		20
	$\xleftarrow{\div 4}$		$\xleftarrow{-8}$	

(17)

	$\xrightarrow{\times 5}$		$\xrightarrow{+2}$	
x		$5x$		$5x + 2$
=		=		=
3		15		17
	$\xleftarrow{\div 5}$		$\xleftarrow{-2}$	

(13)

	$\xrightarrow{\times 6}$		$\xrightarrow{+8}$	
x		$6x$		$6x + 8$
=		=		=
7		42		50
	$\xleftarrow{\div 6}$		$\xleftarrow{-8}$	

(18)

	$\xrightarrow{\times 2}$		$\xrightarrow{+6}$	
x		$2x$		$2x + 6$
=		=		=
6		12		18
	$\xleftarrow{\div 2}$		$\xleftarrow{-6}$	

(14)

	$\xrightarrow{\times 6}$		$\xrightarrow{+5}$	
x		$6x$		$6x + 5$
=		=		=
3		18		23
	$\xleftarrow{\div 6}$		$\xleftarrow{-5}$	

(19)

	$\xrightarrow{\times 10}$		$\xrightarrow{+5}$	
x		$10x$		$10x + 5$
=		=		=
3		30		35
	$\xleftarrow{\div 10}$		$\xleftarrow{-5}$	

(15)

	$\xrightarrow{\times 10}$		$\xrightarrow{+10}$	
x		$10x$		$10x + 10$
=		=		=
5		50		60
	$\xleftarrow{\div 10}$		$\xleftarrow{-10}$	

(20)

	$\xrightarrow{\times 6}$		$\xrightarrow{+4}$	
x		$6x$		$6x + 4$
=		=		=
6		36		40
	$\xleftarrow{\div 6}$		$\xleftarrow{-4}$	