

## Green Lanes 144 grids - ANSWERS

Colour	Times tables	If on track to be completed by end of
Red	0,1,2,5,10	Year 2
Orange	0,1,2,5,3	Year 3
Yellow	0,1,2,3,4	Year 3
Green	2,3,4,5,8	Year 3
Blue	3,4,6,8,9	Year 4
Pink	4, 6, 8, 9, 11, 12	Year 4
Turquoise	6, 7, 8, 9, 11, 12	Year 4
Indigo	All to 12x12	Year 4
Violet	Related division facts, 2 digit x 1 digit, 3 digit x 1 digit	
Gold	Decimals x 10,100, 1000 Decimals divided by 10, 100, 1000 Square numbers/square roots Fractions of amounts Adding/subtracting fractions Multiplying/dividing fractions Algebra	

## Beginner Red

$0 \times 0 = 0$	$0 \times 1 = 0$	$0 \times 2 = 0$	$0 \times 5 = 0$	$0 \times 10 = 0$
$1 \times 0 = 0$	$1 \times 1 = 1$	$1 \times 2 = 2$	$1 \times 5 = 5$	$1 \times 10 = 10$
$2 \times 0 = 0$	$2 \times 1 = 2$	$2 \times 2 = 4$	$2 \times 5 = 10$	$2 \times 10 = 20$
$3 \times 0 = 0$	$3 \times 1 = 3$	$3 \times 2 = 6$	$3 \times 5 = 15$	$3 \times 10 = 30$
$4 \times 0 = 0$	$4 \times 1 = 4$	$4 \times 2 = 8$	$4 \times 5 = 20$	$4 \times 10 = 40$
$5 \times 0 = 0$	$5 \times 1 = 5$	$5 \times 2 = 10$	$5 \times 5 = 25$	$5 \times 10 = 50$
$6 \times 0 = 0$	$6 \times 1 = 6$	$6 \times 2 = 12$	$6 \times 5 = 30$	$6 \times 10 = 60$
$7 \times 0 = 0$	$7 \times 1 = 7$	$7 \times 2 = 14$	$7 \times 5 = 35$	$7 \times 10 = 70$
$8 \times 0 = 0$	$8 \times 1 = 8$	$8 \times 2 = 16$	$8 \times 5 = 40$	$8 \times 10 = 80$
$9 \times 0 = 0$	$9 \times 1 = 9$	$9 \times 2 = 18$	$9 \times 5 = 45$	$9 \times 10 = 90$
$10 \times 0 = 0$	$10 \times 1 = 10$	$10 \times 2 = 20$	$10 \times 5 = 50$	$10 \times 10 = 100$
$11 \times 0 = 0$	$11 \times 1 = 11$	$11 \times 2 = 22$	$11 \times 5 = 55$	$11 \times 10 = 110$
$12 \times 0 = 0$	$12 \times 1 = 12$	$12 \times 2 = 24$	$12 \times 5 = 60$	$12 \times 10 = 120$

## Intermediate Red

$0 \times 0 = 0$	$0 \times 1 = 0$	$0 \times 2 = 0$	$0 \times 5 = 0$	$0 \times 10 = 0$
$1 \times 0 = 0$	$2 \times 1 = 2$	$3 \times 2 = 6$	$2 \times 5 = 10$	$1 \times 10 = 10$
$5 \times 0 = 0$	$6 \times 1 = 6$	$12 \times 2 = 24$	$12 \times 5 = 60$	$11 \times 10 = 110$
$3 \times 0 = 0$	$9 \times 1 = 9$	$2 \times 2 = 4$	$3 \times 5 = 15$	$3 \times 10 = 30$
$7 \times 0 = 0$	$3 \times 1 = 3$	$8 \times 2 = 16$	$6 \times 5 = 30$	$12 \times 10 = 120$
$2 \times 0 = 0$	$4 \times 1 = 4$	$11 \times 2 = 22$	$9 \times 5 = 45$	$6 \times 10 = 60$
$6 \times 0 = 0$	$10 \times 1 = 10$	$1 \times 2 = 2$	$4 \times 5 = 20$	$9 \times 10 = 90$
$4 \times 0 = 0$	$7 \times 1 = 7$	$5 \times 2 = 10$	$10 \times 5 = 50$	$2 \times 10 = 20$
$8 \times 0 = 0$	$12 \times 1 = 12$	$7 \times 2 = 14$	$1 \times 5 = 5$	$5 \times 10 = 50$
$9 \times 0 = 0$	$1 \times 1 = 1$	$4 \times 2 = 8$	$5 \times 5 = 25$	$10 \times 10 = 100$
$10 \times 0 = 0$	$8 \times 1 = 8$	$9 \times 2 = 18$	$7 \times 5 = 35$	$8 \times 10 = 80$
$11 \times 0 = 0$	$11 \times 1 = 11$	$10 \times 2 = 20$	$11 \times 5 = 55$	$4 \times 10 = 40$
$12 \times 0 = 0$	$5 \times 1 = 5$	$6 \times 2 = 12$	$8 \times 5 = 40$	$7 \times 10 = 70$

## Advanced Red

$0 \times 0 = 0$		$2 \times 1 = 2$		$10 \times 0 = 0$		$5 \times 5 = 25$		$12 \times 5 = 60$	
$9 \times 1 = 9$		$11 \times 2 = 22$		$11 \times 10 = 110$		$11 \times 0 = 0$		$6 \times 0 = 0$	
$1 \times 2 = 2$		$9 \times 10 = 90$		$3 \times 0 = 0$		$4 \times 10 = 40$		$12 \times 10 = 120$	
$3 \times 1 = 3$		$1 \times 0 = 0$		$6 \times 5 = 30$		$5 \times 2 = 10$		$6 \times 1 = 6$	
$12 \times 2 = 24$		$0 \times 2 = 0$		$10 \times 2 = 20$		$9 \times 2 = 18$		$4 \times 5 = 20$	
$8 \times 5 = 40$		$11 \times 1 = 11$		$2 \times 10 = 20$		$5 \times 0 = 0$		$1 \times 10 = 10$	
$2 \times 0 = 0$		$0 \times 5 = 0$		$5 \times 10 = 50$		$11 \times 5 = 55$		$7 \times 0 = 0$	
$2 \times 2 = 4$		$0 \times 1 = 0$		$8 \times 10 = 80$		$3 \times 10 = 30$		$3 \times 5 = 15$	
$10 \times 1 = 10$		$7 \times 5 = 35$		$4 \times 0 = 0$		$7 \times 1 = 7$		$6 \times 2 = 12$	
$10 \times 10 = 100$		$8 \times 1 = 8$		$8 \times 2 = 16$		$2 \times 5 = 10$		$7 \times 10 = 70$	
$8 \times 0 = 0$		$4 \times 2 = 8$		$4 \times 1 = 4$		$12 \times 1 = 12$		$0 \times 10 = 0$	
$3 \times 2 = 6$		$9 \times 0 = 0$		$10 \times 5 = 50$		$6 \times 10 = 60$		$12 \times 0 = 0$	
$1 \times 1 = 1$		$9 \times 5 = 45$		$1 \times 5 = 5$		$7 \times 2 = 14$		$5 \times 1 = 5$	

## Beginner Orange

$0 \times 0 = 0$		$0 \times 1 = 0$		$0 \times 2 = 0$		$0 \times 5 = 0$		$0 \times 3 = 0$	
$1 \times 0 = 0$		$1 \times 1 = 1$		$1 \times 2 = 2$		$1 \times 5 = 5$		$1 \times 3 = 3$	
$2 \times 0 = 0$		$2 \times 1 = 2$		$2 \times 2 = 4$		$2 \times 5 = 10$		$2 \times 3 = 6$	
$3 \times 0 = 0$		$3 \times 1 = 3$		$3 \times 2 = 6$		$3 \times 5 = 15$		$3 \times 3 = 9$	
$4 \times 0 = 0$		$4 \times 1 = 4$		$4 \times 2 = 8$		$4 \times 5 = 20$		$4 \times 3 = 12$	
$5 \times 0 = 0$		$5 \times 1 = 5$		$5 \times 2 = 10$		$5 \times 5 = 25$		$5 \times 3 = 15$	
$6 \times 0 = 0$		$6 \times 1 = 6$		$6 \times 2 = 12$		$6 \times 5 = 30$		$6 \times 3 = 18$	
$7 \times 0 = 0$		$7 \times 1 = 7$		$7 \times 2 = 14$		$7 \times 5 = 35$		$7 \times 3 = 21$	
$8 \times 0 = 0$		$8 \times 1 = 8$		$8 \times 2 = 16$		$8 \times 5 = 40$		$8 \times 3 = 24$	
$9 \times 0 = 0$		$9 \times 1 = 9$		$9 \times 2 = 18$		$9 \times 5 = 45$		$9 \times 3 = 27$	
$10 \times 0 = 0$		$10 \times 1 = 10$		$10 \times 2 = 20$		$10 \times 5 = 50$		$10 \times 3 = 30$	
$11 \times 0 = 0$		$11 \times 1 = 11$		$11 \times 2 = 22$		$11 \times 5 = 55$		$11 \times 3 = 33$	
$12 \times 0 = 0$		$12 \times 1 = 12$		$12 \times 2 = 24$		$12 \times 5 = 60$		$12 \times 3 = 36$	

## Intermediate Orange

$0 \times 0 = 0$		$0 \times 1 = 0$		$0 \times 2 = 0$		$0 \times 5 = 0$		$0 \times 3 = 0$	
$7 \times 0 = 0$		$11 \times 1 = 11$		$12 \times 2 = 24$		$2 \times 5 = 10$		$10 \times 3 = 30$	
$2 \times 0 = 0$		$3 \times 1 = 3$		$7 \times 2 = 14$		$12 \times 5 = 60$		$5 \times 3 = 15$	
$4 \times 0 = 0$		$2 \times 1 = 2$		$10 \times 2 = 20$		$3 \times 5 = 15$		$1 \times 3 = 3$	
$5 \times 0 = 0$		$10 \times 1 = 10$		$2 \times 2 = 4$		$6 \times 5 = 30$		$12 \times 3 = 36$	
$3 \times 0 = 0$		$7 \times 1 = 7$		$9 \times 2 = 18$		$9 \times 5 = 45$		$2 \times 3 = 6$	
$6 \times 0 = 0$		$6 \times 1 = 6$		$11 \times 2 = 22$		$4 \times 5 = 20$		$4 \times 3 = 12$	
$9 \times 0 = 0$		$4 \times 1 = 4$		$3 \times 2 = 6$		$10 \times 5 = 50$		$8 \times 3 = 24$	
$8 \times 0 = 0$		$12 \times 1 = 12$		$6 \times 2 = 12$		$1 \times 5 = 5$		$3 \times 3 = 9$	
$6 \times 0 = 0$		$9 \times 1 = 9$		$1 \times 2 = 2$		$5 \times 5 = 25$		$6 \times 3 = 18$	
$11 \times 0 = 0$		$5 \times 1 = 5$		$4 \times 2 = 8$		$7 \times 5 = 35$		$11 \times 3 = 33$	
$1 \times 0 = 0$		$7 \times 1 = 7$		$8 \times 2 = 16$		$11 \times 5 = 55$		$7 \times 3 = 21$	
$10 \times 0 = 0$		$1 \times 1 = 1$		$5 \times 2 = 10$		$8 \times 5 = 40$		$9 \times 3 = 27$	

## Advanced Orange

$0 \times 0 = 0$		$0 \times 1 = 0$		$0 \times 2 = 0$		$0 \times 3 = 0$		$0 \times 8 = 0$	
$1 \times 0 = 0$		$3 \times 1 = 3$		$9 \times 0 = 0$		$3 \times 1 = 3$		$5 \times 0 = 0$	
$3 \times 5 = 15$		$11 \times 1 = 11$		$10 \times 3 = 30$		$5 \times 5 = 25$		$7 \times 2 = 14$	
$12 \times 1 = 12$		$2 \times 2 = 4$		$3 \times 0 = 0$		$6 \times 2 = 12$		$2 \times 1 = 2$	
$1 \times 5 = 5$		$2 \times 0 = 0$		$1 \times 4 = 4$		$10 \times 0 = 0$		$6 \times 5 = 30$	
$3 \times 3 = 9$		$2 \times 3 = 6$		$10 \times 1 = 10$		$9 \times 3 = 27$		$11 \times 0 = 0$	
$12 \times 5 = 60$		$6 \times 1 = 6$		$1 \times 2 = 2$		$4 \times 0 = 0$		$10 \times 5 = 50$	
$5 \times 1 = 5$		$12 \times 3 = 36$		$2 \times 5 = 10$		$8 \times 5 = 40$		$8 \times 3 = 24$	
$4 \times 3 = 12$		$5 \times 4 = 20$		$11 \times 3 = 33$		$9 \times 1 = 9$		$1 \times 1 = 1$	
$7 \times 0 = 0$		$3 \times 2 = 6$		$6 \times 0 = 6$		$5 \times 2 = 10$		$8 \times 2 = 16$	
$12 \times 2 = 24$		$11 \times 2 = 22$		$8 \times 1 = 8$		$9 \times 5 = 45$		$12 \times 0 = 0$	
$3 \times 5 = 15$		$5 \times 0 = 5$		$4 \times 2 = 8$		$6 \times 3 = 18$		$7 \times 3 = 21$	
$11 \times 5 = 55$		$7 \times 1 = 7$		$10 \times 2 = 20$		$9 \times 2 = 18$		$7 \times 5 = 35$	

## Beginner Yellow

$0 \times 0 = 0$		$0 \times 1 = 0$		$0 \times 2 = 0$		$0 \times 3 = 0$		$0 \times 4 = 0$	
$1 \times 0 = 0$		$1 \times 1 = 1$		$1 \times 2 = 2$		$1 \times 3 = 3$		$1 \times 4 = 4$	
$2 \times 0 = 0$		$2 \times 1 = 2$		$2 \times 2 = 4$		$2 \times 3 = 6$		$2 \times 4 = 8$	
$3 \times 0 = 0$		$3 \times 1 = 3$		$3 \times 2 = 6$		$3 \times 3 = 9$		$3 \times 4 = 12$	
$4 \times 0 = 0$		$4 \times 1 = 4$		$4 \times 2 = 8$		$4 \times 3 = 12$		$4 \times 4 = 16$	
$5 \times 0 = 0$		$5 \times 1 = 5$		$5 \times 2 = 10$		$5 \times 3 = 15$		$5 \times 4 = 20$	
$6 \times 0 = 0$		$6 \times 1 = 6$		$6 \times 2 = 12$		$6 \times 3 = 18$		$6 \times 4 = 24$	
$7 \times 0 = 0$		$7 \times 1 = 7$		$7 \times 2 = 14$		$7 \times 3 = 21$		$7 \times 4 = 28$	
$8 \times 0 = 0$		$8 \times 1 = 8$		$8 \times 2 = 16$		$8 \times 3 = 24$		$8 \times 4 = 32$	
$9 \times 0 = 0$		$9 \times 1 = 9$		$9 \times 2 = 18$		$9 \times 3 = 27$		$9 \times 4 = 36$	
$10 \times 0 = 0$		$10 \times 1 = 10$		$10 \times 2 = 20$		$10 \times 3 = 30$		$10 \times 4 = 40$	
$11 \times 0 = 0$		$11 \times 1 = 11$		$11 \times 2 = 22$		$11 \times 3 = 33$		$11 \times 4 = 44$	
$12 \times 0 = 0$		$12 \times 1 = 12$		$12 \times 2 = 24$		$12 \times 3 = 36$		$12 \times 4 = 48$	

## Intermediate Yellow

$0 \times 0 = 0$		$0 \times 1 = 0$		$0 \times 2 = 0$		$0 \times 3 = 0$		$0 \times 4 = 0$	
$11 \times 0 = 0$		$1 \times 1 = 1$		$7 \times 2 = 14$		$10 \times 3 = 30$		$10 \times 4 = 40$	
$2 \times 0 = 0$		$6 \times 1 = 6$		$9 \times 2 = 18$		$5 \times 3 = 15$		$9 \times 4 = 36$	
$7 \times 0 = 0$		$8 \times 1 = 8$		$1 \times 2 = 2$		$1 \times 3 = 3$		$1 \times 4 = 4$	
$4 \times 0 = 0$		$4 \times 1 = 4$		$4 \times 2 = 8$		$12 \times 3 = 36$		$7 \times 4 = 28$	
$5 \times 0 = 0$		$5 \times 1 = 5$		$2 \times 2 = 4$		$2 \times 3 = 6$		$5 \times 4 = 20$	
$6 \times 0 = 0$		$2 \times 1 = 2$		$5 \times 2 = 10$		$4 \times 3 = 12$		$12 \times 4 = 48$	
$3 \times 0 = 0$		$7 \times 1 = 7$		$8 \times 2 = 16$		$8 \times 3 = 24$		$2 \times 4 = 8$	
$8 \times 0 = 0$		$9 \times 1 = 9$		$3 \times 2 = 6$		$3 \times 3 = 9$		$6 \times 4 = 24$	
$5 \times 0 = 0$		$11 \times 1 = 11$		$10 \times 2 = 20$		$6 \times 3 = 18$		$3 \times 4 = 12$	
$12 \times 0 = 0$		$3 \times 1 = 3$		$6 \times 2 = 12$		$11 \times 3 = 33$		$8 \times 4 = 32$	

$10 \times 0 = 0$		$10 \times 1 = 10$		$12 \times 2 = 24$		$7 \times 3 = 21$		$11 \times 4 = 44$	
$1 \times 0 = 0$		$12 \times 1 = 12$		$11 \times 2 = 22$		$9 \times 3 = 18$		$4 \times 4 = 16$	

## Advanced Yellow

$0 \times 0 = 0$		$0 \times 1 = 0$		$0 \times 2 = 0$		$0 \times 3 = 0$		$0 \times 4 = 0$	
$1 \times 2 = 2$		$3 \times 4 = 12$		$12 \times 1 = 12$		$4 \times 1 = 4$		$8 \times 4 = 32$	
$1 \times 0 = 0$		$2 \times 2 = 4$		$3 \times 2 = 6$		$1 \times 3 = 3$		$5 \times 1 = 5$	
$12 \times 3 = 36$		$11 \times 1 = 11$		$2 \times 0 = 0$		$8 \times 3 = 24$		$6 \times 4 = 24$	
$1 \times 1 = 1$		$8 \times 0 = 0$		$3 \times 1 = 3$		$4 \times 2 = 8$		$5 \times 2 = 10$	
$5 \times 3 = 15$		$3 \times 3 = 9$		$2 \times 3 = 6$		$6 \times 1 = 6$		$12 \times 0 = 0$	
$1 \times 4 = 4$		$2 \times 1 = 2$		$7 \times 3 = 21$		$3 \times 0 = 0$		$10 \times 0 = 0$	
$10 \times 1 = 10$		$5 \times 0 = 0$		$9 \times 0 = 0$		$5 \times 4 = 20$		$9 \times 3 = 27$	
$12 \times 4 = 48$		$2 \times 4 = 8$		$4 \times 4 = 16$		$6 \times 2 = 12$		$7 \times 4 = 28$	
$4 \times 3 = 12$		$6 \times 3 = 18$		$7 \times 1 = 7$		$10 \times 2 = 20$		$9 \times 2 = 18$	
$9 \times 1 = 9$		$8 \times 1 = 8$		$11 \times 2 = 22$		$8 \times 2 = 16$		$4 \times 0 = 0$	
$11 \times 4 = 44$		$12 \times 2 = 24$		$6 \times 0 = 0$		$11 \times 3 = 33$		$10 \times 3 = 30$	
$7 \times 0 = 0$		$10 \times 4 = 40$		$7 \times 2 = 14$		$11 \times 0 = 0$		$9 \times 4 = 36$	

## Beginner Green

$0 \times 2 = 0$		$0 \times 5 = 0$		$0 \times 3 = 0$		$0 \times 4 = 0$		$0 \times 8 = 0$	
$1 \times 2 = 2$		$1 \times 5 = 5$		$1 \times 3 = 3$		$1 \times 4 = 4$		$1 \times 8 = 8$	
$2 \times 2 = 4$		$2 \times 5 = 10$		$2 \times 3 = 6$		$2 \times 4 = 8$		$2 \times 8 = 16$	
$3 \times 2 = 6$		$3 \times 5 = 15$		$3 \times 3 = 9$		$3 \times 4 = 12$		$3 \times 8 = 24$	
$4 \times 2 = 8$		$4 \times 5 = 20$		$4 \times 3 = 12$		$4 \times 4 = 16$		$4 \times 8 = 32$	
$5 \times 2 = 10$		$5 \times 5 = 25$		$5 \times 3 = 15$		$5 \times 4 = 20$		$5 \times 8 = 40$	
$6 \times 2 = 12$		$6 \times 5 = 30$		$6 \times 3 = 18$		$6 \times 4 = 24$		$6 \times 8 = 48$	
$7 \times 2 = 14$		$7 \times 5 = 35$		$7 \times 3 = 21$		$7 \times 4 = 28$		$7 \times 8 = 56$	
$8 \times 2 = 16$		$8 \times 5 = 40$		$8 \times 3 = 24$		$8 \times 4 = 32$		$8 \times 8 = 64$	
$9 \times 2 = 18$		$9 \times 5 = 45$		$9 \times 3 = 27$		$9 \times 4 = 36$		$9 \times 8 = 72$	
$10 \times 2 = 20$		$10 \times 5 = 50$		$10 \times 3 = 30$		$10 \times 4 = 40$		$10 \times 8 = 80$	

$11 \times 2 = 22$		$11 \times 5 = 55$		$11 \times 3 = 33$		$11 \times 4 = 44$		$11 \times 8 = 88$	
$12 \times 2 = 24$		$12 \times 5 = 60$		$12 \times 3 = 36$		$12 \times 4 = 48$		$12 \times 8 = 96$	

## Intermediate Green

$0 \times 2 = 0$		$0 \times 5 = 0$		$0 \times 3 = 0$		$0 \times 4 = 0$		$0 \times 8 = 0$	
$12 \times 2 = 24$		$2 \times 5 = 10$		$10 \times 3 = 30$		$10 \times 4 = 40$		$11 \times 8 = 88$	
$7 \times 2 = 14$		$12 \times 5 = 60$		$5 \times 3 = 15$		$9 \times 4 = 36$		$6 \times 8 = 48$	
$10 \times 2 = 20$		$3 \times 5 = 15$		$1 \times 3 = 3$		$1 \times 4 = 4$		$2 \times 8 = 16$	
$2 \times 2 = 4$		$6 \times 5 = 30$		$12 \times 3 = 36$		$7 \times 4 = 28$		$10 \times 8 = 80$	
$9 \times 2 = 18$		$9 \times 5 = 45$		$2 \times 3 = 6$		$5 \times 4 = 20$		$1 \times 8 = 8$	
$11 \times 2 = 22$		$4 \times 5 = 20$		$4 \times 3 = 12$		$12 \times 4 = 36$		$4 \times 8 = 32$	
$3 \times 2 = 6$		$10 \times 5 = 50$		$8 \times 3 = 24$		$2 \times 4 = 8$		$12 \times 8 = 96$	
$6 \times 2 = 12$		$1 \times 5 = 5$		$3 \times 3 = 9$		$6 \times 4 = 24$		$9 \times 8 = 72$	
$1 \times 2 = 2$		$5 \times 5 = 25$		$6 \times 3 = 18$		$3 \times 4 = 12$		$3 \times 8 = 24$	
$4 \times 2 = 8$		$7 \times 5 = 35$		$11 \times 3 = 33$		$8 \times 4 = 32$		$8 \times 8 = 64$	
$8 \times 2 = 16$		$11 \times 5 = 55$		$7 \times 3 = 21$		$11 \times 4 = 44$		$5 \times 8 = 40$	
$5 \times 2 = 10$		$8 \times 5 = 40$		$9 \times 3 = 27$		$4 \times 4 = 16$		$7 \times 8 = 56$	

## Advanced Green

$0 \times 2 = 0$		$9 \times 4 = 36$		$0 \times 8 = 0$		$5 \times 4 = 20$		$6 \times 5 = 30$	
$0 \times 5 = 0$		$1 \times 3 = 3$		$11 \times 4 = 44$		$0 \times 3 = 0$		$4 \times 2 = 8$	
$4 \times 3 = 12$		$3 \times 3 = 9$		$8 \times 2 = 16$		$12 \times 5 = 60$		$1 \times 8 = 8$	
$7 \times 2 = 14$		$11 \times 5 = 55$		$3 \times 4 = 12$		$6 \times 3 = 18$		$1 \times 4 = 4$	
$12 \times 8 = 96$		$6 \times 2 = 12$		$1 \times 5 = 5$		$1 \times 2 = 2$		$12 \times 2 = 24$	
$6 \times 4 = 24$		$7 \times 5 = 35$		$12 \times 3 = 36$		$9 \times 5 = 45$		$8 \times 4 = 32$	
$5 \times 3 = 15$		$5 \times 8 = 40$		$11 \times 3 = 33$		$0 \times 4 = 0$		$4 \times 5 = 20$	
$2 \times 5 = 10$		$11 \times 8 = 88$		$3 \times 5 = 15$		$8 \times 5 = 40$		$5 \times 2 = 10$	
$3 \times 8 = 24$		$2 \times 4 = 8$		$8 \times 8 = 64$		$10 \times 8 = 80$		$2 \times 3 = 6$	
$11 \times 2 = 22$		$3 \times 2 = 6$		$2 \times 8 = 16$		$7 \times 3 = 21$		$8 \times 3 = 24$	
$12 \times 4 = 36$		$6 \times 8 = 48$		$9 \times 2 = 18$		$7 \times 4 = 28$		$10 \times 5 = 50$	

$2 \times 2 = 4$		$10 \times 4 = 40$		$1 \times 4 = 4$		$4 \times 4 = 16$		$9 \times 8 = 72$	
$9 \times 3 = 27$		$7 \times 8 = 56$		$10 \times 3 = 30$		$4 \times 8 = 32$		$10 \times 2 = 20$	

## Beginner Blue

$0 \times 3 = 0$		$0 \times 4 = 0$		$0 \times 6 = 0$		$0 \times 8 = 0$		$0 \times 9 = 0$	
$1 \times 3 = 3$		$1 \times 4 = 4$		$1 \times 6 = 6$		$1 \times 8 = 8$		$1 \times 9 = 9$	
$2 \times 3 = 6$		$2 \times 4 = 8$		$2 \times 6 = 12$		$2 \times 8 = 16$		$2 \times 9 = 18$	
$3 \times 3 = 9$		$3 \times 4 = 12$		$3 \times 6 = 18$		$3 \times 8 = 24$		$3 \times 9 = 27$	
$4 \times 3 = 12$		$4 \times 4 = 16$		$4 \times 6 = 24$		$4 \times 8 = 32$		$4 \times 9 = 36$	
$5 \times 3 = 15$		$5 \times 4 = 20$		$5 \times 6 = 30$		$5 \times 8 = 40$		$5 \times 9 = 45$	
$6 \times 3 = 18$		$6 \times 4 = 24$		$6 \times 6 = 36$		$6 \times 8 = 48$		$6 \times 9 = 54$	
$7 \times 3 = 21$		$7 \times 4 = 28$		$7 \times 6 = 42$		$7 \times 8 = 56$		$7 \times 9 = 63$	
$8 \times 3 = 24$		$8 \times 4 = 32$		$8 \times 6 = 48$		$8 \times 8 = 64$		$8 \times 9 = 72$	
$9 \times 3 = 27$		$9 \times 4 = 36$		$9 \times 6 = 54$		$9 \times 8 = 72$		$9 \times 9 = 81$	
$10 \times 3 = 30$		$10 \times 4 = 40$		$10 \times 6 = 60$		$10 \times 8 = 80$		$10 \times 9 = 90$	
$11 \times 3 = 33$		$11 \times 4 = 44$		$11 \times 6 = 66$		$11 \times 8 = 88$		$11 \times 9 = 99$	
$12 \times 3 = 36$		$12 \times 4 = 48$		$12 \times 6 = 72$		$12 \times 8 = 96$		$12 \times 9 = 108$	

## Intermediate Blue

$0 \times 3 = 0$		$0 \times 4 = 0$		$0 \times 6 = 0$		$0 \times 8 = 0$		$0 \times 9 = 0$	
$10 \times 3 = 30$		$1 \times 4 = 4$		$1 \times 6 = 6$		$1 \times 8 = 8$		$5 \times 9 = 45$	
$5 \times 3 = 15$		$4 \times 4 = 16$		$6 \times 6 = 36$		$9 \times 8 = 72$		$1 \times 9 = 9$	
$1 \times 3 = 3$		$11 \times 4 = 44$		$2 \times 6 = 12$		$7 \times 8 = 56$		$12 \times 9 = 108$	
$12 \times 3 = 36$		$2 \times 4 = 8$		$10 \times 6 = 60$		$2 \times 8 = 16$		$6 \times 9 = 54$	
$2 \times 3 = 6$		$5 \times 4 = 20$		$5 \times 6 = 30$		$12 \times 8 = 96$		$10 \times 9 = 90$	
$4 \times 3 = 12$		$8 \times 4 = 32$		$7 \times 6 = 42$		$5 \times 8 = 40$		$3 \times 9 = 27$	
$8 \times 3 = 24$		$3 \times 4 = 12$		$3 \times 6 = 18$		$10 \times 8 = 80$		$7 \times 9 = 63$	
$3 \times 3 = 9$		$12 \times 4 = 48$		$12 \times 6 = 72$		$3 \times 8 = 24$		$9 \times 9 = 81$	
$6 \times 3 = 18$		$6 \times 4 = 24$		$9 \times 6 = 54$		$8 \times 8 = 64$		$11 \times 9 = 99$	
$11 \times 3 = 33$		$9 \times 4 = 36$		$4 \times 6 = 24$		$6 \times 8 = 48$		$2 \times 9 = 18$	

$7 \times 3 = 21$		$7 \times 4 = 28$		$11 \times 6 = 66$		$11 \times 8 = 88$		$8 \times 9 = 72$	
$9 \times 3 = 27$		$10 \times 4 = 40$		$8 \times 6 = 48$		$4 \times 8 = 32$		$4 \times 9 = 36$	

## Advanced Blue

$9 \times 3 = 27$		$0 \times 8 = 0$		$4 \times 3 = 12$		$8 \times 4 = 32$		$5 \times 3 = 15$	
$0 \times 9 = 0$		$4 \times 8 = 32$		$8 \times 8 = 64$		$10 \times 9 = 90$		$11 \times 9 = 99$	
$7 \times 8 = 56$		$12 \times 3 = 36$		$1 \times 9 = 9$		$0 \times 3 = 0$		$7 \times 6 = 42$	
$5 \times 6 = 30$		$6 \times 6 = 36$		$10 \times 6 = 60$		$2 \times 4 = 8$		$1 \times 4 = 4$	
$1 \times 3 = 3$		$11 \times 4 = 44$		$1 \times 6 = 6$		$2 \times 6 = 12$		$9 \times 6 = 54$	
$10 \times 8 = 80$		$7 \times 9 = 63$		$6 \times 9 = 54$		$3 \times 3 = 9$		$12 \times 4 = 48$	
$8 \times 9 = 72$		$5 \times 8 = 40$		$4 \times 4 = 16$		$10 \times 3 = 30$		$3 \times 9 = 18$	
$9 \times 4 = 36$		$1 \times 8 = 8$		$6 \times 8 = 48$		$9 \times 8 = 72$		$6 \times 4 = 24$	
$2 \times 3 = 6$		$6 \times 3 = 18$		$9 \times 9 = 81$		$2 \times 9 = 18$		$2 \times 8 = 16$	
$3 \times 4 = 12$		$12 \times 8 = 96$		$11 \times 6 = 66$		$0 \times 4 = 0$		$8 \times 6 = 48$	
$7 \times 4 = 28$		$10 \times 4 = 40$		$0 \times 6 = 0$		$3 \times 6 = 18$		$7 \times 3 = 21$	
$5 \times 9 = 45$		$4 \times 9 = 36$		$12 \times 6 = 72$		$5 \times 4 = 20$		$4 \times 6 = 24$	
$11 \times 8 = 88$		$11 \times 3 = 33$		$3 \times 8 = 24$		$8 \times 3 = 24$		$12 \times 9 = 108$	

## Beginner Pink

$0 \times 4 = 0$		$0 \times 6 = 0$		$0 \times 8 = 0$		$0 \times 11 = 0$		$0 \times 9 = 0$		$0 \times 12 = 0$	
$1 \times 4 = 4$		$1 \times 6 = 6$		$1 \times 8 = 8$		$1 \times 11 = 11$		$1 \times 9 = 9$		$1 \times 12 = 12$	
$2 \times 4 = 8$		$2 \times 6 = 12$		$2 \times 8 = 16$		$2 \times 11 = 22$		$2 \times 9 = 18$		$2 \times 12 = 24$	
$3 \times 4 = 12$		$3 \times 6 = 18$		$3 \times 8 = 24$		$3 \times 11 = 33$		$3 \times 9 = 27$		$3 \times 12 = 36$	
$4 \times 4 = 16$		$4 \times 6 = 24$		$4 \times 8 = 32$		$4 \times 11 = 44$		$4 \times 9 = 36$		$4 \times 12 = 48$	
$5 \times 4 = 20$		$5 \times 6 = 30$		$5 \times 8 = 40$		$5 \times 11 = 55$		$5 \times 9 = 45$		$5 \times 12 = 60$	
$6 \times 4 = 24$		$6 \times 6 = 36$		$6 \times 8 = 48$		$6 \times 11 = 66$		$6 \times 9 = 54$		$6 \times 12 = 72$	
$7 \times 4 = 28$		$7 \times 6 = 42$		$7 \times 8 = 56$		$7 \times 11 = 77$		$7 \times 9 = 63$		$7 \times 12 = 84$	
$8 \times 4 = 32$		$8 \times 6 = 48$		$8 \times 8 = 64$		$8 \times 11 = 88$		$8 \times 9 = 72$		$8 \times 12 = 96$	
$9 \times 4 = 36$		$9 \times 6 = 54$		$9 \times 8 = 72$		$9 \times 11 = 99$		$9 \times 9 = 81$		$9 \times 12 = 108$	
$10 \times 4 = 40$		$10 \times 6 = 60$		$10 \times 8 = 80$		$10 \times 11 = 110$		$10 \times 9 = 90$		$10 \times 12 = 120$	
$11 \times 4 = 44$		$11 \times 6 = 66$		$11 \times 8 = 88$		$11 \times 11 = 121$		$11 \times 9 = 99$		$11 \times 12 = 132$	

$12 \times 4 = 48$		$12 \times 6 = 72$		$12 \times 8 = 96$		$12 \times 11 = 132$		$12 \times 9 = 108$		$12 \times 12 = 144$	
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## Intermediate Pink

$0 \times 4 = 0$		$0 \times 6 = 0$		$0 \times 8 = 0$		$0 \times 11 = 0$		$0 \times 9 = 9$		$0 \times 12 = 0$	
$1 \times 4 = 4$		$1 \times 6 = 6$		$1 \times 8 = 8$		$4 \times 11 = 44$		$5 \times 9 = 45$		$7 \times 12 = 84$	
$4 \times 4 = 16$		$6 \times 6 = 36$		$9 \times 8 = 72$		$1 \times 11 = 11$		$1 \times 9 = 9$		$3 \times 12 = 36$	
$11 \times 4 = 44$		$2 \times 6 = 12$		$7 \times 8 = 56$		$10 \times 11 = 110$		$12 \times 9 = 108$		$6 \times 12 = 72$	
$2 \times 4 = 8$		$10 \times 6 = 60$		$2 \times 8 = 16$		$5 \times 11 = 55$		$6 \times 9 = 54$		$10 \times 12 = 120$	
$5 \times 4 = 20$		$5 \times 6 = 30$		$12 \times 8 = 96$		$8 \times 11 = 88$		$10 \times 9 = 90$		$1 \times 12 = 12$	
$8 \times 4 = 32$		$7 \times 6 = 42$		$5 \times 8 = 40$		$11 \times 11 = 121$		$3 \times 9 = 27$		$8 \times 12 = 96$	
$3 \times 4 = 12$		$3 \times 6 = 18$		$10 \times 8 = 80$		$2 \times 11 = 22$		$7 \times 9 = 63$		$4 \times 12 = 48$	
$12 \times 4 = 48$		$12 \times 6 = 72$		$3 \times 8 = 24$		$6 \times 11 = 66$		$9 \times 9 = 81$		$12 \times 12 = 144$	
$6 \times 4 = 24$		$9 \times 6 = 54$		$8 \times 8 = 64$		$9 \times 11 = 99$		$11 \times 9 = 99$		$2 \times 12 = 24$	
$9 \times 4 = 36$		$4 \times 6 = 24$		$6 \times 8 = 48$		$3 \times 11 = 33$		$2 \times 9 = 18$		$9 \times 12 = 108$	
$7 \times 4 = 28$		$11 \times 6 = 66$		$11 \times 8 = 88$		$7 \times 11 = 77$		$8 \times 9 = 72$		$5 \times 12 = 60$	
$10 \times 4 = 40$		$8 \times 6 = 48$		$4 \times 8 = 32$		$12 \times 11 = 132$		$4 \times 9 = 36$		$11 \times 12 = 132$	

## Advanced Pink

$0 \times 6 = 0$		$10 \times 4 = 40$		$12 \times 6 = 72$		$5 \times 8 = 40$		$1 \times 8 = 8$		$8 \times 6 = 48$	
$10 \times 11 = 110$		$5 \times 9 = 45$		$5 \times 12 = 60$		$12 \times 9 = 108$		$4 \times 12 = 48$		$4 \times 9 = 36$	
$6 \times 4 = 24$		$7 \times 8 = 56$		$0 \times 11 = 0$		$2 \times 6 = 12$		$9 \times 11 = 99$		$5 \times 4 = 20$	
$1 \times 12 = 12$		$4 \times 11 = 44$		$3 \times 12 = 36$		$2 \times 11 = 22$		$2 \times 4 = 8$		$5 \times 11 = 55$	
$2 \times 8 = 16$		$3 \times 11 = 33$		$7 \times 6 = 42$		$0 \times 4 = 0$		$10 \times 8 = 80$		$2 \times 11 = 22$	
$8 \times 12 = 96$		$10 \times 9 = 90$		$11 \times 9 = 99$		$12 \times 11 = 132$		$11 \times 6 = 66$		$3 \times 6 = 18$	
$9 \times 6 = 54$		$5 \times 6 = 30$		$9 \times 12 = 108$		$8 \times 8 = 64$		$3 \times 9 = 27$		$6 \times 8 = 48$	
$11 \times 8 = 88$		$1 \times 9 = 9$		$11 \times 4 = 44$		$9 \times 8 = 72$		$12 \times 8 = 96$		$12 \times 4 = 48$	
$9 \times 9 = 81$		$2 \times 12 = 24$		$6 \times 9 = 54$		$1 \times 4 = 4$		$7 \times 4 = 28$		$8 \times 9 = 72$	
$9 \times 4 = 36$		$0 \times 9 = 0$		$1 \times 11 = 11$		$6 \times 11 = 66$		$2 \times 9 = 18$		$8 \times 4 = 32$	
$7 \times 11 = 77$		$7 \times 12 = 84$		$6 \times 6 = 36$		$6 \times 12 = 72$		$4 \times 8 = 32$		$7 \times 9 = 63$	

$4 \times 6 = 24$		$0 \times 11 = 0$		$11 \times 11 = 121$		$3 \times 8 = 24$		$0 \times 12 = 0$		$3 \times 4 = 12$	
$11 \times 12 = 132$		$10 \times 12 = 120$		$10 \times 6 = 60$		$8 \times 11 = 88$		$0 \times 8 = 0$		$12 \times 12 = 144$	

## Beginner Turquoise

$0 \times 6 = 0$		$0 \times 7 = 0$		$0 \times 8 = 0$		$0 \times 9 = 0$		$0 \times 11 = 0$		$0 \times 12 = 0$	
$1 \times 6 = 6$		$1 \times 7 = 7$		$1 \times 8 = 8$		$1 \times 9 = 9$		$1 \times 11 = 11$		$1 \times 12 = 12$	
$2 \times 6 = 12$		$2 \times 7 = 14$		$2 \times 8 = 16$		$2 \times 9 = 18$		$2 \times 11 = 22$		$2 \times 12 = 24$	
$3 \times 6 = 18$		$3 \times 7 = 21$		$3 \times 8 = 24$		$3 \times 9 = 27$		$3 \times 11 = 33$		$3 \times 12 = 36$	
$4 \times 6 = 24$		$4 \times 7 = 28$		$4 \times 8 = 32$		$4 \times 9 = 36$		$4 \times 11 = 44$		$4 \times 12 = 48$	
$5 \times 6 = 30$		$5 \times 7 = 35$		$5 \times 8 = 40$		$5 \times 9 = 45$		$5 \times 11 = 55$		$5 \times 12 = 60$	
$6 \times 6 = 36$		$6 \times 7 = 42$		$6 \times 8 = 48$		$6 \times 9 = 54$		$6 \times 11 = 66$		$6 \times 12 = 72$	
$7 \times 6 = 42$		$7 \times 7 = 49$		$7 \times 8 = 56$		$7 \times 9 = 63$		$7 \times 11 = 77$		$7 \times 12 = 84$	
$8 \times 6 = 48$		$8 \times 7 = 56$		$8 \times 8 = 64$		$8 \times 9 = 72$		$8 \times 11 = 88$		$8 \times 12 = 96$	
$9 \times 6 = 54$		$9 \times 7 = 63$		$9 \times 8 = 72$		$9 \times 9 = 81$		$9 \times 11 = 99$		$9 \times 12 = 108$	
$10 \times 6 = 60$		$10 \times 7 = 70$		$10 \times 8 = 80$		$10 \times 9 = 90$		$10 \times 11 = 110$		$10 \times 12 = 120$	
$11 \times 6 = 66$		$11 \times 7 = 77$		$11 \times 8 = 88$		$11 \times 9 = 99$		$11 \times 11 = 121$		$11 \times 12 = 132$	
$12 \times 6 = 72$		$12 \times 7 = 84$		$12 \times 8 = 96$		$12 \times 9 = 108$		$12 \times 11 = 132$		$12 \times 12 = 144$	

## Intermediate Turquoise

$0 \times 6 = 0$		$0 \times 7 = 0$		$0 \times 8 = 0$		$0 \times 9 = 0$		$0 \times 11 = 11$		$0 \times 12 = 12$	
$1 \times 6 = 6$		$3 \times 7 = 21$		$1 \times 8 = 8$		$5 \times 9 = 45$		$4 \times 11 = 44$		$7 \times 12 = 84$	
$6 \times 6 = 36$		$6 \times 7 = 42$		$9 \times 8 = 72$		$1 \times 9 = 9$		$1 \times 11 = 11$		$3 \times 12 = 36$	
$2 \times 6 = 12$		$0 \times 7 = 0$		$7 \times 8 = 56$		$12 \times 9 = 108$		$10 \times 11 = 110$		$6 \times 12 = 72$	
$10 \times 6 = 60$		$11 \times 7 = 77$		$2 \times 8 = 16$		$6 \times 9 = 54$		$5 \times 11 = 55$		$10 \times 12 = 120$	
$5 \times 6 = 30$		$4 \times 7 = 28$		$12 \times 8 = 96$		$10 \times 9 = 90$		$8 \times 11 = 88$		$1 \times 12 = 12$	
$7 \times 6 = 42$		$5 \times 7 = 35$		$5 \times 8 = 40$		$3 \times 9 = 27$		$11 \times 11 = 121$		$8 \times 12 = 96$	
$3 \times 6 = 18$		$9 \times 7 = 63$		$10 \times 8 = 80$		$7 \times 9 = 63$		$2 \times 11 = 22$		$4 \times 12 = 48$	
$12 \times 6 = 72$		$7 \times 7 = 49$		$3 \times 8 = 24$		$9 \times 9 = 81$		$6 \times 11 = 66$		$12 \times 12 = 144$	
$9 \times 6 = 54$		$10 \times 7 = 70$		$8 \times 8 = 64$		$11 \times 9 = 99$		$9 \times 11 = 99$		$2 \times 12 = 24$	

$4 \times 6 = 24$		$1 \times 7 = 7$		$6 \times 8 = 48$		$2 \times 9 = 18$		$3 \times 11 = 33$		$9 \times 12 = 108$	
$11 \times 6 = 66$		$8 \times 7 = 56$		$11 \times 8 = 88$		$8 \times 9 = 72$		$7 \times 11 = 77$		$5 \times 12 = 60$	
$8 \times 6 = 48$		$2 \times 7 = 14$		$4 \times 8 = 32$		$4 \times 9 = 36$		$12 \times 11 = 132$		$11 \times 12 = 132$	

## Advanced Turquoise

$0 \times 6 = 0$		$11 \times 7 = 77$		$1 \times 7 = 7$		$3 \times 8 = 24$		$0 \times 9 = 9$		$3 \times 7 = 21$	
$1 \times 9 = 9$		$10 \times 9 = 90$		$11 \times 11 = 121$		$8 \times 7 = 56$		$2 \times 6 = 12$		$8 \times 6 = 48$	
$0 \times 11 = 11$		$9 \times 8 = 72$		$5 \times 7 = 35$		$2 \times 11 = 22$		$9 \times 7 = 63$		$9 \times 11 = 99$	
$10 \times 6 = 60$		$5 \times 9 = 45$		$6 \times 11 = 66$		$10 \times 11 = 110$		$6 \times 7 = 42$		$12 \times 6 = 72$	
$10 \times 7 = 70$		$8 \times 8 = 64$		$1 \times 6 = 6$		$10 \times 8 = 80$		$5 \times 11 = 55$		$7 \times 8 = 56$	
$4 \times 8 = 32$		$3 \times 12 = 36$		$3 \times 11 = 33$		$7 \times 6 = 42$		$3 \times 6 = 18$		$4 \times 9 = 36$	
$5 \times 6 = 30$		$12 \times 8 = 96$		$6 \times 9 = 54$		$9 \times 9 = 81$		$2 \times 9 = 18$		$4 \times 6 = 24$	
$6 \times 12 = 72$		$2 \times 12 = 24$		$0 \times 8 = 0$		$1 \times 8 = 8$		$4 \times 11 = 44$		$0 \times 12 = 0$	
$11 \times 8 = 88$		$0 \times 7 = 0$		$5 \times 8 = 40$		$1 \times 11 = 11$		$6 \times 8 = 48$		$2 \times 8 = 16$	
$12 \times 11 = 132$		$7 \times 11 = 77$		$8 \times 12 = 96$		$7 \times 7 = 49$		$1 \times 12 = 12$		$12 \times 7 = 84$	
$4 \times 7 = 28$		$11 \times 12 = 132$		$6 \times 6 = 36$		$11 \times 6 = 66$		$2 \times 7 = 14$		$10 \times 12 = 120$	
$11 \times 9 = 99$		$7 \times 9 = 63$		$7 \times 12 = 84$		$4 \times 12 = 48$		$9 \times 12 = 108$		$9 \times 6 = 54$	
$12 \times 9 = 109$		$12 \times 12 = 144$		$8 \times 9 = 72$		$8 \times 11 = 88$		$3 \times 9 = 27$		$5 \times 12 = 60$	

# Beginner Indigo - 144

0x1	0	0x2	0	0x3	0	0x4	0	0x5	0	0x6	0	0x7	0	0x8	0	0x9	0	0 x10	0	0 x 11	0	0x12	0
1x1	1	1x2	2	1x3	3	1x4	4	1x5	5	1x6	6	1x7	7	1x8	8	1x9	9	1x10	10	1x11	11	1x12	12
2x1	2	2x2	4	2x3	6	2x4	8	2x5	10	2x6	12	2x7	14	2x8	16	2x9	18	2x10	20	2x11	22	2x12	24
3x1	3	3x2	6	3x3	9	3x4	12	3x5	15	3x6	18	3x7	21	3x8	24	3x9	27	3x10	30	3x11	33	3x12	36
4x1	4	4x2	8	4x3	12	4x4	16	4x5	20	4x6	24	4x7	28	4x8	32	4x9	36	4x10	40	4x11	44	4x12	48
5x1	5	5x2	10	5x3	15	5x4	20	5x5	25	5x6	30	5x7	35	5x8	40	5x9	45	5x10	50	5x11	55	5x12	60
6x1	6	6x2	12	6x3	18	6x4	24	6x5	30	6x6	36	6x7	42	6x8	48	6x9	54	6x10	60	6x11	66	6x12	72
7x1	7	7x2	14	7x3	21	7x4	28	7x5	35	7x6	42	7x7	49	7x8	56	7x9	63	7x10	70	7x11	77	7x12	84
8x1	8	8x2	16	8x3	24	8x4	32	8x5	40	8x6	48	8x7	56	8x8	64	8x9	72	8x10	80	8x11	88	8x12	96
9x1	9	9x2	18	9x3	27	9x4	36	9x5	45	9x6	54	9x7	63	9x8	72	9x9	81	9x10	90	9x11	99	9x12	108
10x1	10	10x2	20	10x3	30	10x4	40	10x5	50	10x6	60	10x7	70	10x8	80	10x9	90	10x10	100	10x11	110	10x12	120
11x1	11	11x2	22	11x3	33	11x4	44	11x5	55	11x6	66	11x7	77	11x8	88	11x9	99	11x10	110	11x11	121	11x12	132
12x1	12	12x2	24	12x3	36	12x4	48	12x5	60	12x6	72	12x7	84	12x8	96	12x9	108	12x10	120	12x11	132	12x12	144

# Intermediate Indigo

0x1	0	1x2	2	3x3	9	5x4	20	9x5	45	6x6	36	10x7	70	0x8	0	3x9	27	1x10	10	5x11	55	12x12	144
12x1	12	5x2	10	10x3	30	12x4	48	5x5	25	9x6	54	2x7	14	12x8	96	11x9	99	10x10	100	12x11	132	11x12	132
7x1	7	2x2	4	0x3	0	10x4	40	7x5	35	0x6	0	0x7	0	5x8	40	7x9	63	6x10	60	0x11	0	10x12	120
3x1	3	9x2	18	8x3	24	0x4	0	3x5	15	3x6	18	6x7	42	11x8	88	0x9	0	8x10	80	8x11	88	4x12	48
11x1	11	0x2	0	4x3	12	4x4	16	11x5	55	8x6	48	9x7	63	8x8	64	4x9	36	4x10	40	11x11	121	8x12	96
8x1	8	6x2	12	1x3	3	8x4	32	1x5	5	12x6	72	1x7	7	1x8	8	12x9	108	2x10	20	1x11	11	0x12	0
1x1	1	3x2	6	11x3	33	1x4	4	6x5	30	1x6	6	4x7	28	4x8	32	1x9	9	7x10	70	7x11	77	3x12	36
10x1	10	8x2	16	7x3	21	6x4	24	4x5	20	4x6	24	7x7	49	6x8	48	8x9	72	11x10	110	4x11	44	7x12	84
4x1	4	11x2	22	5x3	15	9x4	36	0x5	0	10x6	60	5x7	35	9x8	72	5x9	45	0x10	0	9x11	99	1x12	12
6x1	6	7x2	14	2x3	6	11x4	44	8x5	40	2x6	12	12x7	84	2x8	16	10x9	90	5x10	50	2x11	22	5x12	60
2x1	2	4x2	8	9x3	27	2x4	8	12x5	60	7x6	42	11x7	77	7x8	56	2x9	18	3x10	30	6x11	66	9x12	108
9x1	9	10x2	20	12x3	36	7x4	28	2x5	10	11x6	66	3x7	21	10x8	80	6x9	54	9x10	90	10x11	110	6x12	72
5x1	5	12x2	24	6x3	18	3x4	12	10x5	50	5x6	30	8x7	56	3x8	24	9x9	81	12x10	120	3x11	33	2x12	24

# Advanced Indigo - 144 +

1x8	8	3x1	3	7x8	56	11x9	99	0x11	0	10x4	40	8x1	8	4x11	44	5x9	45	6x12	72	1x7	7	11x6	66	0x8	0
2x1	2	9x1	9	9x10	90	5x11	55	9x5	45	1x11	11	2x3	6	7x1	7	8x11	88	7x7	49	12x4	48	2x6	12	12x3	36
10x1	10	4x1	4	12x1	12	1x3	3	8x12	96	6x5	30	10x3	30	1x6	6	11x5	55	0x4	0	3x10	30	5x5	25	4x5	20
7x9	63	0x1	0	2x2	4	9x9	81	6x10	60	2x11	22	7x2	14	3x9	27	1x0	0	8x7	56	12x5	60	10x12	120	9x3	27
9x11	99	10x10	100	5x1	5	1x9	9	10x8	80	8x8	64	12x6	72	10x5	50	3x4	12	6x2	12	4x6	24	12x0	0	1x1	1
4x2	8	3x2	6	6x6	36	12x7	84	2x9	18	5x6	30	0x2	0	5x0	0	9x4	36	7x3	21	10x7	70	2x5	10	8x5	40
11x1	11	1x4	4	11x10	110	5x2	10	12x8	96	11x8	88	11x3	33	8x2	16	4x3	12	9x12	108	11x12	132	2x0	0	3x3	9
7x10	70	10x2	20	6x7	42	0x7	0	6x1	6	2x4	8	7x12	84	1x2	2	10x11	110	9x0	0	3x11	33	11x0	0	6x9	54
0x9	0	7x4	28	4x10	40	7x11	77	9x6	54	11x4	44	4x8	32	9x8	72	10x6	60	0x5	0	10x0	0	2x12	24	5x12	60
6x8	48	3x7	21	12x2	24	3x6	18	12x9	108	12x10	120	2x10	20	3x5	15	12x11	132	5x10	50	8x6	48	11x7	77	7x0	0
11x2	22	11x11	121	0x3	0	8x9	72	4x9	36	1x10	10	5x7	35	6x3	18	4x4	16	12x12	144	4x7	28	0x0	0	5x3	15
8x4	32	9x7	63	8x3	24	5x8	40	3x0	0	7x5	35	4x0	0	4x12	48	6x11	66	5x4	20	8x0	0	9x2	18	6x0	0
1x5	5	2x8	16	10x9	90	1x12	12	0x10	0	6x4	24	3x8	24	8x10	80	0x12	0	2x7	14	3x12	36	7x6	42	0x6	0

# Beginner Violet

144÷12	12	12÷2	6	33÷11	3	48÷4	12	72÷12	6	77÷7	11	55÷5	11	72÷6	12	48÷12	4	18÷6	3	5÷5	1
11÷1	11	33÷3	11	1÷1	1	28÷4	7	40÷8	5	8÷4	2	3÷3	1	88÷8	11	50÷10	5	54÷9	6	28÷7	4
42÷6	7	45÷9	5	2÷1	2	24÷3	8	4÷2	2	80÷8	10	84÷7	12	30÷6	5	20÷5	4	60÷5	12	10÷10	1
84÷12	7	22÷2	11	96÷12	8	35÷5	7	6÷2	3	60÷12	5	9÷3	3	90÷10	9	12÷4	3	90÷9	10	18÷2	9
54÷6	9	56÷8	7	4÷1	4	99÷9	11	10÷2	5	12÷3	4	16÷4	4	33÷11	3	63÷9	7	9÷9	1	32÷8	4
110÷10	11	16÷8	2	5÷1	5	30÷3	10	10÷1	10	18÷3	6	3÷1	3	24÷6	4	20÷4	5	20÷10	2	30÷10	3
70÷10	7	8÷2	4	6÷1	6	50÷5	10	120÷10	12	30÷5	6	56÷7	8	15÷5	3	21÷7	3	35÷7	5	66÷11	6
77÷11	7	36÷9	4	14÷2	7	64÷8	8	88÷11	8	80÷10	8	21÷3	7	2÷2	1	72÷8	9	48÷8	6	45÷5	9
15÷3	5	7÷1	7	8÷1	8	24÷12	2	16÷2	8	44÷4	11	48÷6	8	40÷10	4	27÷9	3	10÷5	2	100÷10	10
11÷11	1	121÷11	11	9÷1	9	22÷11	2	42÷7	6	8÷8	1	27÷3	9	24÷4	6	36÷4	9	72÷9	8	6÷3	2
40÷5	8	108÷12	9	70÷7	10	96÷8	12	20÷2	10	14÷7	2	11÷1	11	63÷7	9	40÷4	10	7÷7	1	66÷6	11
36÷6	6	99÷11	9	48÷12	4	132÷12	11	24÷8	3	55÷5	11	49÷7	7	32÷4	8	108÷9	12	60÷6	10	22÷11	2
72÷12	6	18÷9	2	12÷1	12	12÷6	2	24÷2	12	81÷9	9	36÷3	12	60÷10	6	6÷6	1	25÷5	5	4÷4	1

## Intermediate Violet

13x2	26	19x4	76	7x55	385	4x18	72	28x9	252	2x26	52	4x16	64
93x3	279	14x2	28	8x43	344	6x23	138	8x53	424	13x6	78	21x6	126
23x8	184	13x4	52	2x15	30	6x14	84	14x4	56	9x34	306	5x72	360
13x3	39	62x7	434	5x37	185	2x16	32	5x31	155	5x48	240	25x4	100
15x6	90	14x3	42	9x17	153	7x18	126	17x2	34	19x3	57	43x7	301
19x7	133	23x2	46	3x15	45	4x22	88	6x18	108	2x18	36	2x22	44
21x4	84	82x9	738	2x24	48	3x16	48	62x5	310	3x18	54	4x26	104
92x7	644	26x7	182	7x72	504	2x25	50	3x17	51	8x73	584	93x4	372

# Advanced Violet

23x4	92	108÷12	9	45x2	90	250x4	1000	48÷12	4	51x3	153	50x9	450	144÷12	12	58x2	116	132÷12	11
72÷12	6	53x3	159	12÷12	1	54x2	108	300x6	1800	84÷12	7	180x2	360	15x8	120	64x3	192	140x3	420
26x2	52	120x5	600	64x3	192	36÷12	3	42x3	126	29x2	58	99÷11	9	95x2	190	105x6	630	27x2	54
55÷11	5	41x7	287	62x5	310	31x3	93	125x3	375	86x2	172	512x2	1024	121x3	363	120÷12	10	64x5	320
34x3	102	33÷11	3	44÷11	4	36x2	72	22÷11	2	66÷11	6	312x4	1248	24x9	216	24x7	168	160x4	640
96÷12	8	62x3	186	160x4	640	125x5	625	750x2	1500	34x6	204	60÷12	5	99x2	198	38x5	190	110÷11	10
150x4	600	57x2	114	24÷12	2	82x2	164	77÷11	7	25x8	200	620x2	1240	11÷11	1	121÷11	11	190x6	1140
88÷11	8	25x6	150	56x2	112	304x3	912	150x6	900	115x3	345	315x3	945	34x8	272	93x2	186	132÷11	12

## Gold (Level 1)

45x10	450	6.6x1000	6600	0.4x1000	400	0.03x100	3	854x1000	854000	0.004x10	0.04	100x0.204	20.4	0.1003x10	1.003
37x100	3700	4.3x100	430	9.2x1000	9200	6.43x100	643	67.4x10	674	86x1000	86000	10x0.005	0.05	3.618x10	36.18
21x1000	21000	2.4x10	24	3x1000	3000	9.457x10	94.57	874.1x10	8741	1000x0.041	41	10x3.05	30.5	734.2x100	73420
72 x10	720	5.7x1000	5700	745x10	7450	0.04x1000	40	100x4.56	456	2.04x100	204	64.03x1000	64030	1000x0.4	400
31x100	3100	1.45x10	14.5	0.57x100	57	1.71x100	171	8.02x100	802	73.02x100	7302	1000x0.2	200	9.054x100	9905.4
93x1000	93000	3.25x10	32.5	0.42x10	4.2	9.2x10	92	0.09x1000	90	97x1000	97000	834.02x100	83402	10x3.0501	30.501
3.5x10	35	3.89x100	389	7.71x100	771	0.03x10	0.3	891x1000	891000	1000x456.2	456200	10x459.1	4591	100x45.08	4508
8.4x100	840	81x1000	81000	6.03x10	60.3	935x10	9350	1.234x1000	1234	100x45.1	4510	5.003x100	500.3	3.105x100	310.5

## Gold (Level 2)

450÷10	45	6.6÷1000	0.0066	0.4÷1000	0.0004	0.03÷100	0.0003	854÷1000	0.854	0.004÷10	0.0004	204÷100	2.04	0.3÷100	0.003
3700÷100	37	4300÷100	43	9.2÷1000	0.0092	6.43÷100	0.0643	67.4÷10	6.74	86÷1000	0.086	545÷10	54.5	3.618÷10	0.3618
210÷10	21	2.4÷10	0.24	3÷1000	0.003	9.457÷10	0.9457	874.1÷10	87.41	0.041x1000	41	74÷100	0.74	734.2÷100	7.342
72 ÷10	7.2	5.7÷1000	0.0057	745÷10	74.5	0.04÷1000	0.00004	14.56÷10	1.456	2.04÷100	0.0204	64.3÷1000	0.0643	0.4÷1000	0.0004
31÷100	0.31	1.45÷10	0.145	0.57÷100	0.0057	1.71÷100	0.0171	8.02÷100	0.0802	73.02÷100	0.7302	0.2÷100	0.002	905.4÷100	9.054
93÷1000	0.093	3.25÷10	0.325	0.42÷10	0.042	9.2÷10	0.92	0.09÷1000	0.00009	97÷1000	0.097	83402÷100	834.02	3.05÷10	0.305
3.5÷10	0.35	3.89÷100	0.0389	7.71÷100	0.0771	0.03÷10	0.003	891÷1000	0.891	456.2÷100	4.562	459.1÷10	45.91	4÷100	0.04
8.4÷100	0.084	81÷1000	0.081	6.03÷10	0.603	935÷10	93.5	1.234÷1000	0.001234	45.1÷100	0.451	5÷100	0.05	310.5÷100	3.105

## Gold (Level 3)

45÷10	4.5	6.6÷1000	0.0066	0.4÷1000	0.0004	0.03x100	3	854x1000	854000	4÷1000	0.004	0.204x100	20.4	1003÷10	100.3
37x100	3700	4.3÷100	0.043	9.2÷1000	0.0092	6.43x100	643	67.4÷10	6.74	86÷1000	0.086	0.005x10	0.05	3.618÷10	0.3618
21÷100	0.21	2.4x10	24	3x1000	3000	9.457÷10	0.9457	874.1x10	8741	0.041x1000	41	74÷100	0.74	734.2x100	73420
72 x10	720	5.7x1000	5700	745÷10	74.5	0.04x1000	40	4.56x10	45.6	2.04x100	204	64.03÷1000	0.06403	0.5x1000	500
31÷10	3.1	1.45÷10	0.145	0.57x100	57	1.71÷100	0.0171	8.02÷100	0.082	73.02x100	7302	0.2÷1000	0.0002	9.054x100	905.4
93÷1000	0.093	3.25÷10	0.325	0.42÷10	0.042	9.2÷10	0.92	0.09÷1000	0.0009	970÷1000	0.97	834.02÷100	8.3402	3.0501x10	30.501
3.5÷10	0.35	3.89÷100	0.0389	7.71x100	771	0.03x10	0.3	891÷1000	0.891	456.2x10	4562	459.1÷10	45.91	47.8÷100	0.0478
8.4x100	840	81x1000	81000	6.03÷10	0.603	935÷10	93.5	1.234x1000	1234	45.1x1000	45100	5.003x100	500.3	8.105x100	810.5

## Gold (Level 4)

$2^2$	4	$\sqrt{25}$	5	$10^2$	100	$\sqrt{36}$	6
$\sqrt{64}$	8	$2^3$	8	$\sqrt{9}$	3	$11^2$	121
$3^2$	9	$\sqrt{16}$	4	$9^2$	81	$\sqrt{1}$	1
$\sqrt{144}$	12	$4^2$	16	$1^2$	1	$5^5$	3125
$1^3$	1	$5^3$	125	$8^2$	64	$\sqrt{81}$	9
$4^3$	64	$\sqrt{4}$	2	$3^4$	81	$12^2$	144
$\sqrt{121}$	11	$5^2$	25	$\sqrt{100}$	10	$\sqrt{49}$	7
$6^2$	36	$3^3$	27	$7^2$	49	$2^4$	16

## Gold (Level 5)

$\frac{1}{2}$ of 20	10	$\frac{3}{4}$ of 20	15	$\frac{3}{9}$ of 81	27	$\frac{7}{8}$ of 56	49	$\frac{8}{12}$ of 72	48	$\frac{2}{7}$ of 63	18	$\frac{7}{11}$ of 22	14	$\frac{10}{12}$ of 36	30	$\frac{3}{5}$ of 250	150
$\frac{1}{4}$ of 80	20	$\frac{3}{4}$ of 16	12	$\frac{2}{6}$ of 72	24	$\frac{4}{7}$ of 84	48	$\frac{3}{10}$ of 120	36	$\frac{9}{12}$ of 96	72	$\frac{5}{12}$ of 84	35	$\frac{5}{6}$ of 18	15	$\frac{4}{6}$ of 120	80
$\frac{1}{3}$ of 12	4	$\frac{4}{5}$ of 35	28	$\frac{5}{7}$ of 63	45	$\frac{8}{11}$ of 121	88	$\frac{6}{7}$ of 42	36	$\frac{2}{9}$ of 27	6	$\frac{2}{7}$ of 28	8	$\frac{7}{8}$ of 24	21	$\frac{8}{12}$ of 360	240
$\frac{1}{5}$ of 25	5	$\frac{2}{5}$ of 55	22	$\frac{4}{11}$ of 77	28	$\frac{3}{5}$ of 60	36	$\frac{2}{6}$ of 54	18	$\frac{7}{8}$ of 64	56	$\frac{3}{5}$ of 15	9	$\frac{2}{3}$ of 18	12	$\frac{4}{6}$ of 720	480
$\frac{1}{7}$ of 14	2	$\frac{1}{10}$ of 100	10	$\frac{8}{9}$ of 45	40	$\frac{5}{8}$ of 40	25	$\frac{9}{11}$ of 77	63	$\frac{2}{5}$ of 45	18	$\frac{9}{11}$ of 33	27	$\frac{6}{7}$ of 49	42	$\frac{3}{7}$ of 280	120
$\frac{1}{8}$ of 24	3	$\frac{6}{10}$ of 60	36	$\frac{7}{12}$ of 132	77	$\frac{7}{9}$ of 72	56	$\frac{5}{6}$ of 48	40	$\frac{6}{9}$ of 36	24	$\frac{11}{12}$ of 144	132	$\frac{4}{5}$ of 55	44	$\frac{6}{9}$ of 360	240
$\frac{1}{9}$ of 36	4	$\frac{8}{10}$ of 40	32	$\frac{3}{8}$ of 88	33	$\frac{6}{10}$ of 50	30	$\frac{8}{12}$ of 72	48	$\frac{2}{11}$ of 121	22	$\frac{7}{12}$ of 48	28	$\frac{2}{6}$ of 18	6	$\frac{11}{12}$ of 840	770
$\frac{1}{2}$ of 100	50	$\frac{3}{7}$ of 21	9	$\frac{4}{11}$ of 121	44	$\frac{2}{8}$ of 88	22	$\frac{3}{11}$ of 132	36	$\frac{3}{8}$ of 32	12	$\frac{7}{12}$ of 144	84	$\frac{5}{8}$ of 72	45	$\frac{4}{5}$ of 1000	800

## Gold (Level 6)

$\frac{1}{2}$ of 80	40	$\frac{3}{4}$ of 20	15	$12^2$	144	$\frac{7}{8}$ of 56	49	$\frac{8}{12}$ of 72	48	$\frac{2}{7}$ of 63	18	$3^2$	9	$\frac{10}{12}$ of 36	30	$7^2$	49
$4^2$	16	$\frac{3}{4}$ of 16	12	$\frac{2}{6}$ of 72	24	$\frac{4}{7}$ of 84	48	$2^2$	4	$\frac{9}{12}$ of 96	72	$\frac{5}{12}$ of 84	35	$\frac{5}{6}$ of 72	60	$\sqrt{144}$	12
$\frac{1}{3}$ of 18	6	$\frac{4}{5}$ of 55	44	$\frac{5}{7}$ of 63	45	$\frac{8}{11}$ of 44	32	$\frac{6}{7}$ of 84	72	$\sqrt{100}$	10	$6^2$	36	$\frac{7}{8}$ of 24	21	$\frac{8}{12}$ of 360	240
$\sqrt{9}$	3	$\frac{2}{5}$ of 45	18	$\frac{4}{11}$ of 33	12	$5^2$	25	$\frac{2}{6}$ of 54	18	$\frac{7}{8}$ of 64	56	$\frac{3}{5}$ of 15	9	$\frac{2}{3}$ of 18	12	$\frac{4}{6}$ of 36	24
$\frac{1}{7}$ of 28	4	$11^2$	121	$\frac{8}{9}$ of 54	48	$\frac{5}{8}$ of 72	45	$\frac{9}{11}$ of 132	108	$\sqrt{81}$	9	$\frac{9}{11}$ of 33	27	$\sqrt{121}$	11	$\frac{3}{7}$ of 14	6
$\frac{1}{8}$ of 32	4	$\frac{6}{10}$ of 100	60	$\frac{7}{12}$ of 132	77	$\frac{7}{9}$ of 72	56	$10^2$	100	$\frac{6}{9}$ of 36	24	$\frac{11}{12}$ of 144	132	$\frac{4}{5}$ of 55	44	$8^2$	64
$\sqrt{36}$	6	$\frac{8}{10}$ of 50	40	$\frac{3}{8}$ of 16	6	$\frac{6}{10}$ of 50	30	$\frac{8}{12}$ of 24	16	$\frac{2}{11}$ of 121	22	$\sqrt{25}$	5	$\frac{2}{6}$ of 18	6	$\frac{11}{12}$ of 144	132
$\frac{1}{2}$ of 500	250	$\frac{3}{7}$ of 42	18	$\sqrt{64}$	8	$\frac{2}{8}$ of 40	10	$\sqrt{16}$	4	$\frac{3}{8}$ of 48	18	$\frac{7}{12}$ of 36	21	$\sqrt{49}$	7	$\frac{4}{5}$ of 200	160

## Gold (Level 7)

$\frac{3}{6} + \frac{1}{6}$	<b><math>\frac{4}{6}</math></b>	$\frac{4}{11} + \frac{5}{11}$	<b><math>\frac{9}{11}</math></b>	$\frac{1}{3} + \frac{2}{6}$		$\frac{5}{10} + \frac{17}{40}$		$\frac{1}{3} + \frac{1}{4}$	
$\frac{3}{6} - \frac{1}{6}$	<b><math>\frac{2}{6}</math></b>	$\frac{3}{10} + \frac{1}{10}$	<b><math>\frac{4}{10}</math></b>	$\frac{2}{4} + \frac{1}{8}$		$\frac{3}{4} - \frac{3}{16}$		$\frac{2}{3} - \frac{1}{4}$	
$\frac{3}{7} + \frac{2}{7}$	<b><math>\frac{5}{7}</math></b>	$\frac{6}{12} + \frac{3}{12}$	<b><math>\frac{9}{12}</math></b>	$\frac{5}{6} - \frac{1}{3}$		$\frac{4}{6} + \frac{21}{36}$		$\frac{3}{5} + \frac{2}{6}$	
$\frac{3}{7} - \frac{2}{7}$	<b><math>\frac{1}{7}</math></b>	$\frac{29}{40} - \frac{11}{40}$	<b><math>\frac{18}{40}</math></b>	$\frac{6}{8} + \frac{2}{4}$		$\frac{4}{5} - \frac{23}{35}$		$\frac{2}{3} - \frac{2}{7}$	
$\frac{4}{9} + \frac{4}{9}$	<b><math>\frac{8}{9}</math></b>	$\frac{57}{100} - \frac{42}{100}$	<b><math>\frac{15}{100}</math></b>	$\frac{4}{5} - \frac{2}{10}$		$\frac{39}{42} - \frac{3}{6}$		$\frac{4}{5} - \frac{6}{11}$	
$\frac{4}{9} - \frac{2}{9}$	<b><math>\frac{2}{9}</math></b>	$\frac{14}{24} + \frac{8}{24}$	<b><math>\frac{22}{24}</math></b>	$\frac{5}{6} - \frac{3}{12}$		$\frac{6}{8} - \frac{2}{56}$		$\frac{1}{4} + \frac{4}{9}$	
$\frac{5}{10} + \frac{5}{10}$	<b><math>\frac{10}{10}</math></b>	$\frac{37}{57} - \frac{23}{57}$	<b><math>\frac{14}{57}</math></b>	$\frac{10}{14} + \frac{1}{6}$		$\frac{4}{9} + \frac{44}{99}$		$\frac{10}{12} + \frac{3}{5}$	
$\frac{9}{10} - \frac{5}{10}$	<b><math>\frac{4}{10}</math></b>	$\frac{74}{84} + \frac{1}{6}$		$\frac{9}{10} - \frac{2}{5}$		$\frac{107}{132} + \frac{7}{11}$		$\frac{9}{11} - \frac{4}{12}$	

## Gold (Level 8)

$\frac{3}{6} \times \frac{1}{6}$		$\frac{4}{5} \times \frac{5}{11}$		$\frac{1}{3} \times \frac{2}{6}$		$\frac{5}{10} \times \frac{15}{40}$		$\frac{1}{3} \div \frac{1}{4}$	
$\frac{3}{6} \div \frac{1}{6}$		$\frac{3}{10} \div \frac{1}{10}$		$\frac{2}{4} \div \frac{1}{8}$		$\frac{3}{4} \times \frac{3}{6}$		$\frac{2}{3} \div \frac{6}{60}$	
$\frac{3}{7} \times \frac{2}{7}$		$\frac{6}{12} \div \frac{3}{12}$		$\frac{5}{6} \div \frac{1}{3}$		$\frac{4}{6} \times \frac{2}{6}$		$\frac{3}{5} \times \frac{2}{6}$	
$\frac{3}{7} \div \frac{2}{7}$		$\frac{2}{4} \times \frac{11}{12}$		$\frac{6}{8} \times \frac{2}{4}$		$\frac{4}{5} \div \frac{2}{30}$		$\frac{2}{3} \div \frac{2}{7}$	
$\frac{4}{9} \times \frac{4}{9}$		$\frac{57}{100} \div \frac{42}{100}$		$\frac{4}{5} \div \frac{2}{10}$		$\frac{30}{40} \div \frac{3}{6}$		$\frac{4}{5} \div \frac{6}{11}$	
$\frac{4}{9} \div \frac{2}{9}$		$\frac{14}{24} \times \frac{8}{24}$		$\frac{5}{6} \div \frac{3}{12}$		$\frac{6}{8} \times \frac{2}{50}$		$\frac{1}{4} \times \frac{3}{9}$	
$\frac{5}{10} \times \frac{3}{10}$		$\frac{37}{57} \div \frac{23}{57}$		$\frac{10}{14} \times \frac{3}{10}$		$\frac{4}{9} \times \frac{10}{12}$		$\frac{10}{12} \times \frac{3}{5}$	
$\frac{9}{10} \div \frac{5}{10}$		$\frac{74}{84} \div \frac{1}{6}$		$\frac{9}{10} \div \frac{2}{5}$		$\frac{10}{30} \times \frac{7}{10}$		$\frac{9}{11} \times \frac{4}{12}$	

## Gold (Level 9)

$\frac{3}{5} + \frac{1}{5}$		$\frac{4}{5} \times \frac{5}{11}$		$\frac{1}{3} \times \frac{2}{6}$		$\frac{5}{10} + \frac{15}{40}$		$\frac{1}{3} + \frac{1}{5}$	
$\frac{3}{6} \div \frac{1}{6}$		$\frac{3}{10} \div \frac{1}{10}$		$\frac{2}{4} - \frac{1}{8}$		$\frac{3}{4} \times \frac{3}{6}$		$\frac{2}{3} - \frac{6}{60}$	
$\frac{3}{7} \cdot \frac{2}{7}$		$\frac{6}{7} \times \frac{3}{4}$		$\frac{5}{6} - \frac{1}{3}$		$\frac{4}{6} + \frac{2}{6}$		$\frac{3}{5} \times \frac{2}{6}$	
$\frac{3}{7} \div \frac{2}{7}$		$\frac{2}{4} \times \frac{7}{12}$		$\frac{6}{8} - \frac{2}{4}$		$\frac{4}{5} \div \frac{2}{10}$		$\frac{2}{3} \div \frac{2}{9}$	
$\frac{4}{10} \times \frac{4}{10}$		$\frac{35}{100} \div \frac{42}{100}$		$\frac{4}{5} \div \frac{2}{6}$		$\frac{5}{7} + \frac{3}{6}$		$\frac{4}{5} + \frac{6}{35}$	
$\frac{4}{9} + \frac{2}{9}$		$\frac{14}{24} - \frac{8}{24}$		$\frac{5}{6} \div \frac{3}{12}$		$\frac{6}{20} - \frac{2}{5}$		$\frac{1}{4} \times \frac{7}{8}$	
$\frac{5}{10} \times \frac{3}{10}$		$\frac{37}{57} - \frac{23}{57}$		$\frac{10}{14} \times \frac{3}{10}$		$\frac{4}{9} \times \frac{10}{12}$		$\frac{10}{12} - \frac{3}{4}$	
$\frac{9}{10} \div \frac{5}{10}$		$\frac{15}{18} + \frac{1}{6}$		$\frac{9}{10} \div \frac{2}{5}$		$\frac{10}{30} - \frac{7}{10}$		$\frac{9}{11} \times \frac{4}{12}$	

## Gold (Level 10)

$y = 2$ $10y + 5$		$p = 10$ $10p + 2$		$n = 2$ $62n + 3$		$g = 11$ $11g + 10$		$n = 15$ $5n + 99$	
$a = 2$ $11a - 9$		$q = 11$ $6q - 5$		$y = 10$ $50y + 4$		$r = 12$ $12r - 20$		$h = 3$ $5h - 3h$	
$f = 4$ $10f + 5$		$b = 12$ $10b - 3$		$r = 10$ $52r + 50$		$d = 4$ $8d + 2d$		$b = 4$ $10b + 5$	
$m = 5$ $8m + 3$		$k = 15$ $4k - 4$		$c = 50$ $6c + 20$		$y = 5$ $15y + 13$		$m = 25$ $4m + 30$	
$e = 6$ $6e + 10$		$c = 30$ $3c + 10$		$e = 6$ $6e + 10$		$h = 80$ $7h - 9$		$k = 6$ $6e + 10$	
$y = 7$ $10y + 20$		$t = 12$ $11t - 15$		$m = 7$ $10y + 20$		$s = 20$ $10s - 2s$		$y = 20$ $9y + 15$	
$n = 8$ $12n - 11$		$s = 8$ $7s - 2s$		$n = 8$ $12n - 11$		$t = 8$ $10t + 6$		$a = 8$ $8a + 17$	
$p = 9$ $9p + 12$		$w = 5$ $5w + 20$		$v = 10$ $14v + 12v$		$b = 25$ $7b - 25$		$f = 12$ $9f - 52$	

## Gold (Level 11)

$4b-1=15$	$b=$	$7n-3=18$	$n=$	$5p-2=8$	$p=$
$7c-5=30$	$c=$	$9e-7=74$	$e=$	$11s-9=68$	$s=$
$4a-3=45$	$a=$	$8m-1=55$	$m=$	$10d+17=77$	$d=$
$7n-3=11$	$n=$	$9y+14=108$	$y=$	$5g-16=9$	$g=$
$7h+5=68$	$h=$	$3r+3=33$	$r=$	$6f+5=35$	$f=$
$10n+2=102$	$n=$	$9j+3=102$	$j=$	$5d-5=15$	$d=$
$5w+4=49$	$w=$	$8g+2=42$	$g=$	$7t-10=39$	$t=$
$6q+8=44$	$q=$	$10p-4=66$	$p=$	$50y-20=180$	$y=$

## Gold (Level 12)

$y = 2$ $100y + 5$		$p = 10$ $10p + 100$		$6j + 9 = 63$	
$4n + 12 = 44$		$q = 21$ $3q - 5$		$y = 10$ $50y - 8y$	
$f = 4$ $40f + 5$		$6y + 2 = 44$		$r = 10$ $36r + 50$	
$m = 7$ $9m - 11$		$k = 17$ $4k - 1$		$10g - 12 = 68$	
$5e + 13 = 28$		$c = 3$ $3c - 10$		$e = 11$ $6e + 10$	
$y = 9$ $10y + 20$		$2r + 8 = 30$		$m = 12$ $10y + 20$	
$n = 3$ $12n - 11$		$s = 12$ $7s - 2s$		$20p + 56 = 156$	
$2m + 39 = 59$		$w = 15$ $5w + 20$		$v = 6$ $14v + 12v$	