

Multiple of Recipe								
	1	about 4 challah	2	about 8 challah	3	about 12 challah	4	about 16 challah
water (cups)		2.5		5		7.5		10
yeast (tbsp)		1		2		3	4 =	1/4 cup
oil (cups)		0.5		1		1.5	2	
sugar (cups)		0.75		1.5		2.25	3	
salt (tbsp)		0.5		1		1.5	2	
flour to mix in first (cups)		1		2		3	4	
minimum additional flour (cups)		5		10		15	20	
maximum additional flour (cups)		7		14		21	28	
maximum - minimum additional flour (cups)		2		4		6	8	

Multiple of Recipe									
	5	about 20 challah	6	about 24 challah	7	about 28 challah	8	about 32 challah	
water (cups)	12.5		15		17.5	= 1 gallon + 1.5 cups	20	= 1 gallon + 4 cups	
yeast (tbsp)	5 =	1/4 cup + 1 tbsp	6 =	1/4 cup + 2 tbsp	7 =	1/4 cup + 3 tbsp	8 =	1/2 cup	
oil (cups)	2.5		3		3.5		4		
sugar (cups)	3.75		4.5		5.25		6		
salt (tbsp)	2.5		3		3.5		4 =	1/4 cup	
flour to mix in first (cups)	5		6		7		8 =		
minimum additional flour (cups)	25		30		35		40 =		
maximum additional flour (cups)	35		42		49		56 =		
maximum - minimum additional flour (cups)	10		12		14		16 =		

	Multiple of Recipe							
	about 36 9 challah		about 40 10 challah		about 44 11 challah		about 48 12 challah	
water (cups)	22.5	= 1 gallon + 6.5 cups	25	= 1 gallon + 9 cups	27.5	= 1 gallon + 11.5 cups	30	= 1 gallon + 14 cups
yeast (tbsp)	9	= 1/2 cup + 1 tbsp	10	= 1/2 cup + 2 tbsp	11	= 1/2 cup + 3 tbsp	12	= 3/4 cup
oil (cups)	4.5		5		5.5		6	
sugar (cups)	6.75		7.5		8.25		9	
salt (tbsp)	4.5	= 1/4 cup + 1/2 tbsp	5	= 1/4 cup + 1 tbsp	5.5	= 1/4 cup + 1.5 tbsp	6	= 1/4 cup + 2 tbsp
flour to mix in first (cups)	9		10		11		12	
minimum additional flour (cups)	45		50		55		60	
maximum additional flour (cups)	63		70		77		84	
maximum - minimum additional flour (cups)	18		20		22		24	

	Multiple of Recipe							
	about 52 13 challah		about 56 14 challah		about 60 15 challah		about 64 16 challah	
water (cups)	32.5	= 2 gallons + 1/2 cup	35	= 2 gallons + 3 cups	37.5	= 2 gallons + 5.5 cups	40	= 2 gallons + 8 cups
yeast (tbsp)	13	= 3/4 cup + 1 tbsp	14	= 3/4 cup + 2 tbsp	15	= 3/4 cup + 3 tbsp	16	= 1 cup
oil (cups)	6.5		7		7.5		8	
sugar (cups)	9.75		10.5		11.25		12	
salt (tbsp)	6.5	= 1/4 cup + 2.5 tbsp	7	= 1/4 cup + 3 tbsp	7.5	= 1/4 cup + 3.5 tbsp	8	= 1/2 cup
flour to mix in first (cups)	13		14		15		16	
minimum additional flour (cups)	65		70		75		80	
maximum additional flour (cups)	91		98		105		112	
maximum - minimum additional flour (cups)	26		28		30		32	

	Multiple of Recipe							
	about 68 17 challah		about 72 18 challah		about 76 19 challah		about 80 20 challah	
water (cups)	42.5	= 2 gallons + 10.5 cups	45	= 2 gallons + 13 cups	47.5	= 2 gallons + 15.5 cups	50	= 3 gallons + 2 cups
yeast (tbsp)	17	= 1 cup + 1 tbsp	18	= 1 cup + 2 tbsp	19	= 1 cup + 3 tbsp	20	= 1.25 cups
oil (cups)	8.5		9		9.5		10	
sugar (cups)	12.75		13.5		14.25		15	
salt (tbsp)	8.5	= 1/2 cup + 1/2 tbsp	9	= 1/2 cup + 1 tbsp	9.5	= 1/2 cup + 1.5 tbsp	10	= 1/2 cup + 2 tbsp
flour to mix in first (cups)	17		18		19		20	
minimum additional flour (cups)	85		90		95		100	
maximum additional flour (cups)	119		126		133		140	
maximum - minimum additional flour (cups)	34		36		38		40	

Notes:

1 recipe makes about four 1-lb loaves of challah

A 15x recipe is the maximum that can be mixed in the red bowl

A 12x recipe is the maximum that can be mixed in one of the black bowls

The dough doubles in volume when it rises; fill rising containers accordingly.

Conversions:

1 gallon = 16 cups

4 tbsp = 1/4 cup

16 tbsp = 1 cup