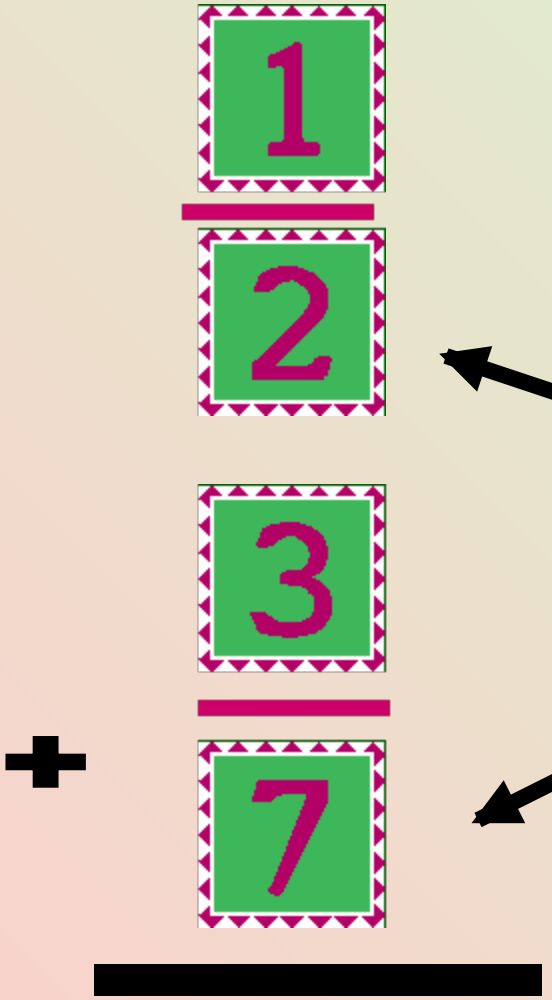
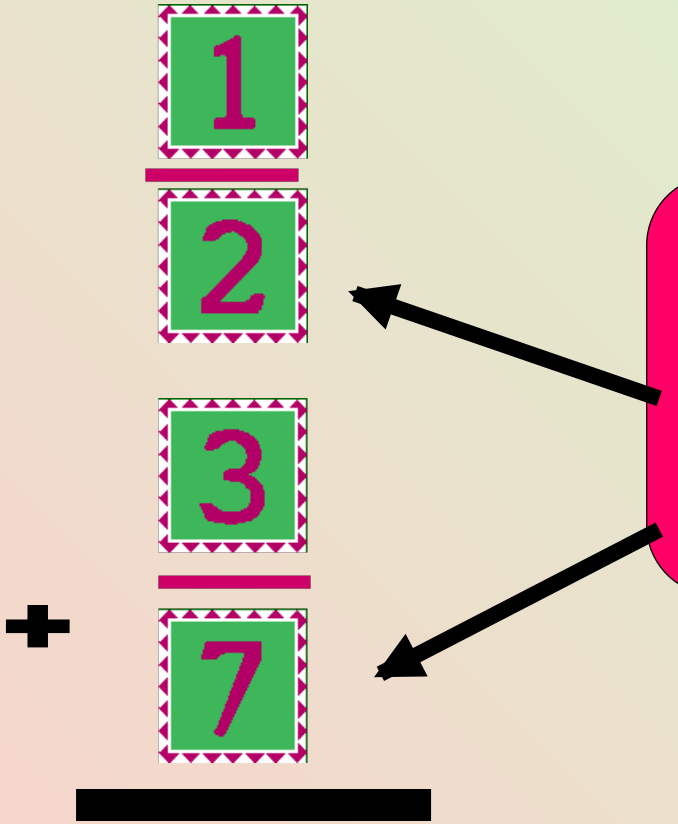
Adding & Subtracting Fractions



We need a common denominator to add these fractions.



We need a common denominator to add these fractions.

Count by 2's

2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Count by 7's

7, 14, 21, 28, 35…

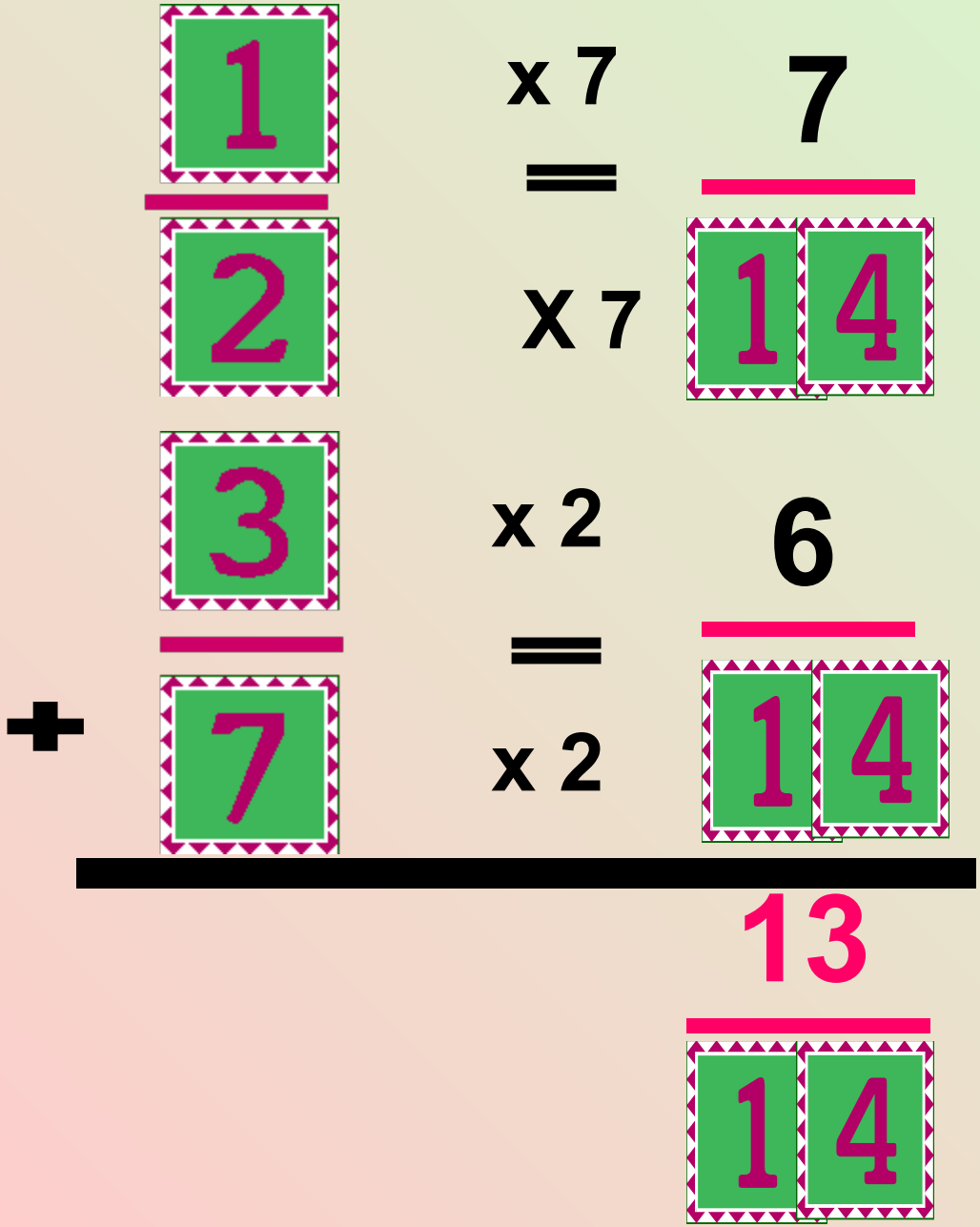
Count by 2's

2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Count by 7's

7, 14, 21, 28, 35…

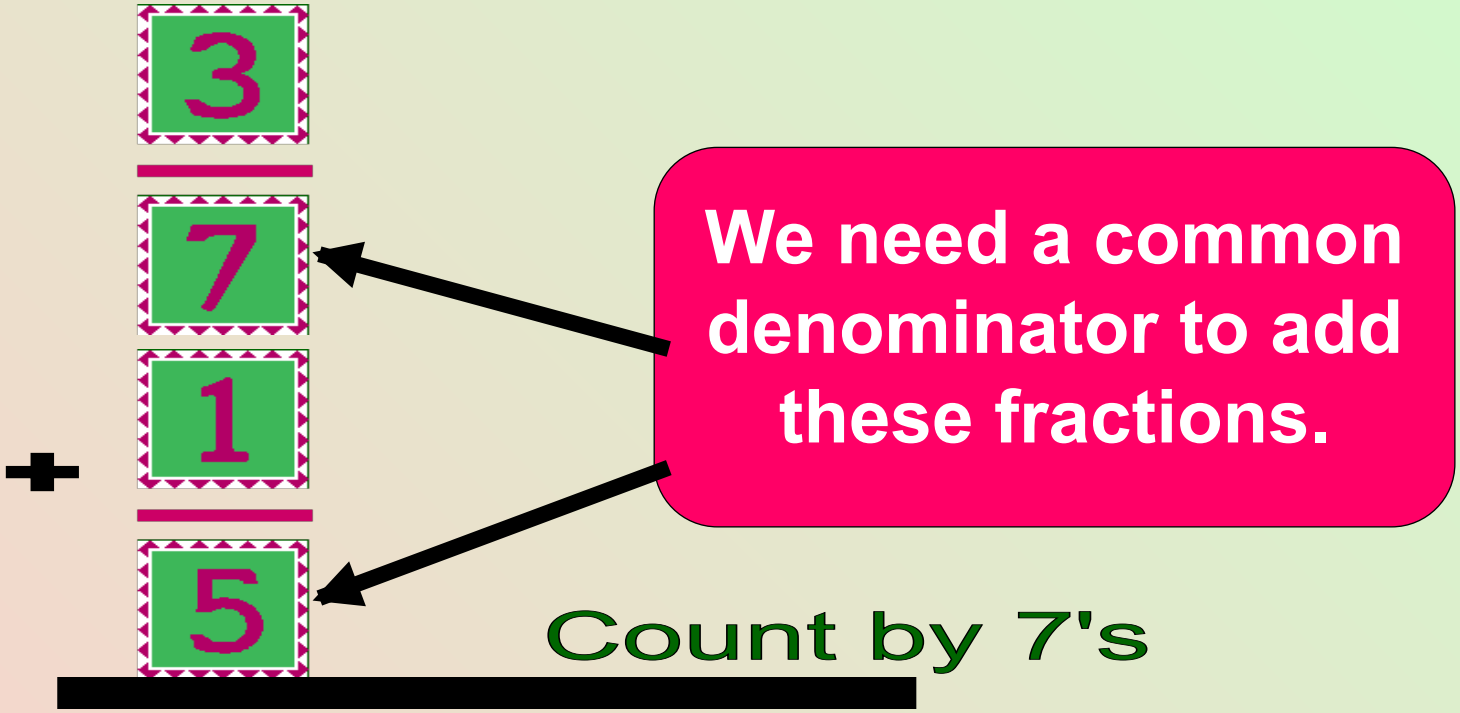
The first number IN COMMON that appears on both lists becomes the common denominator

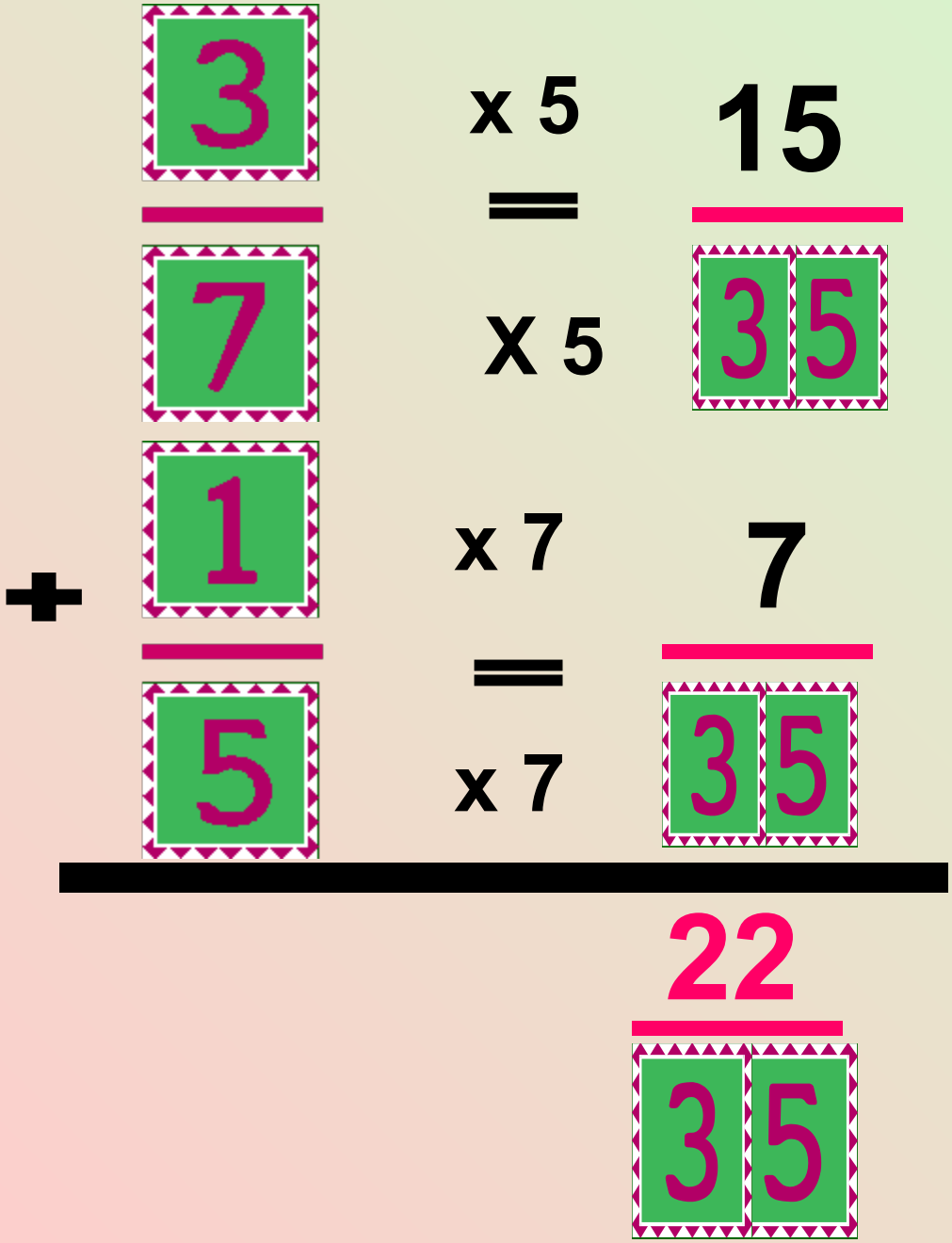


Make equivalent

Add the numerators

7 + 6 = 13

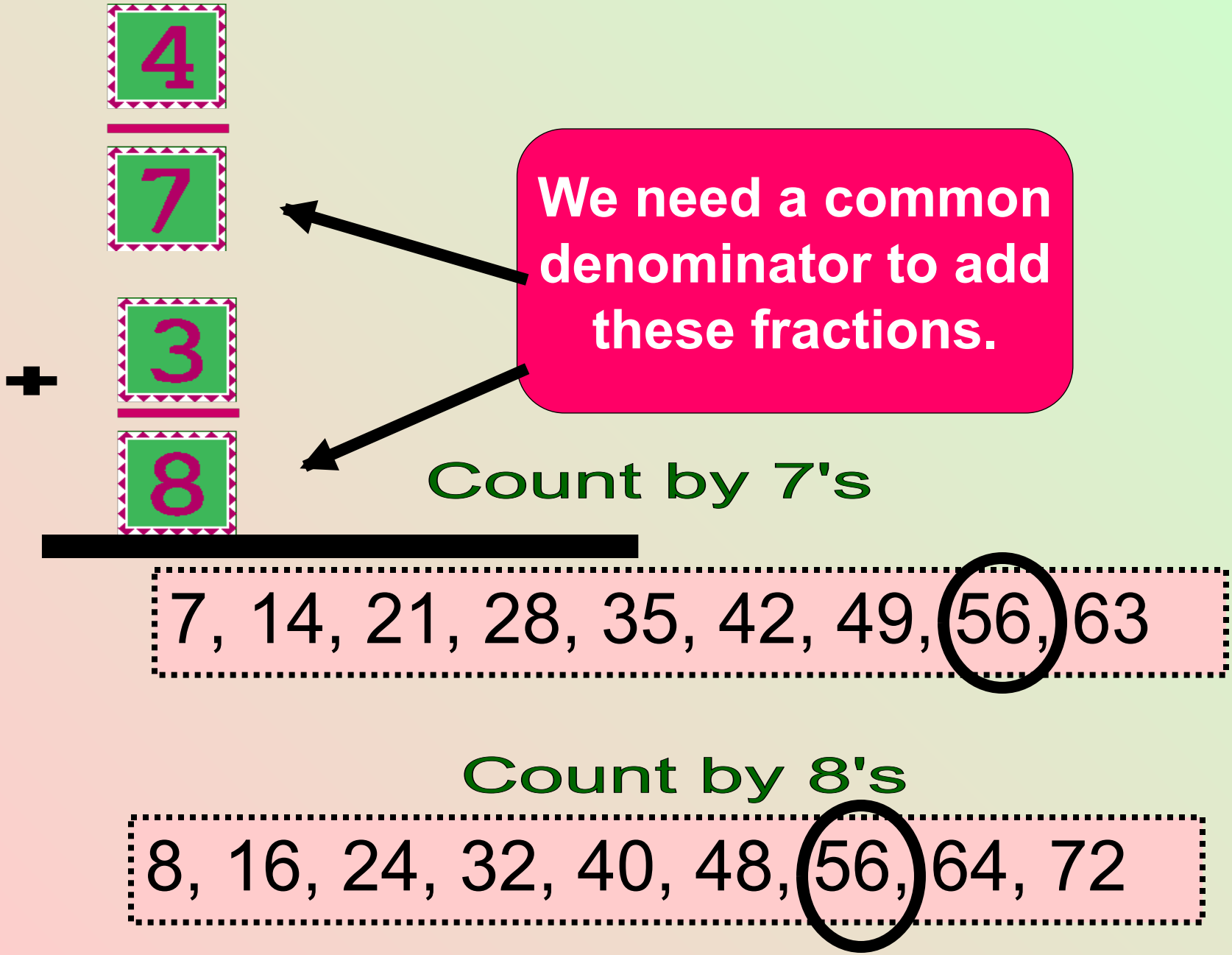

3
7
+
1
5
We need a common denominator to add these fractions.
Count by 7's
7, 14, 21, 28, 35, 42, 49, 56, 63
Count by 5's
5, 10, 15, 20, 25, 30, 35, 40, 45

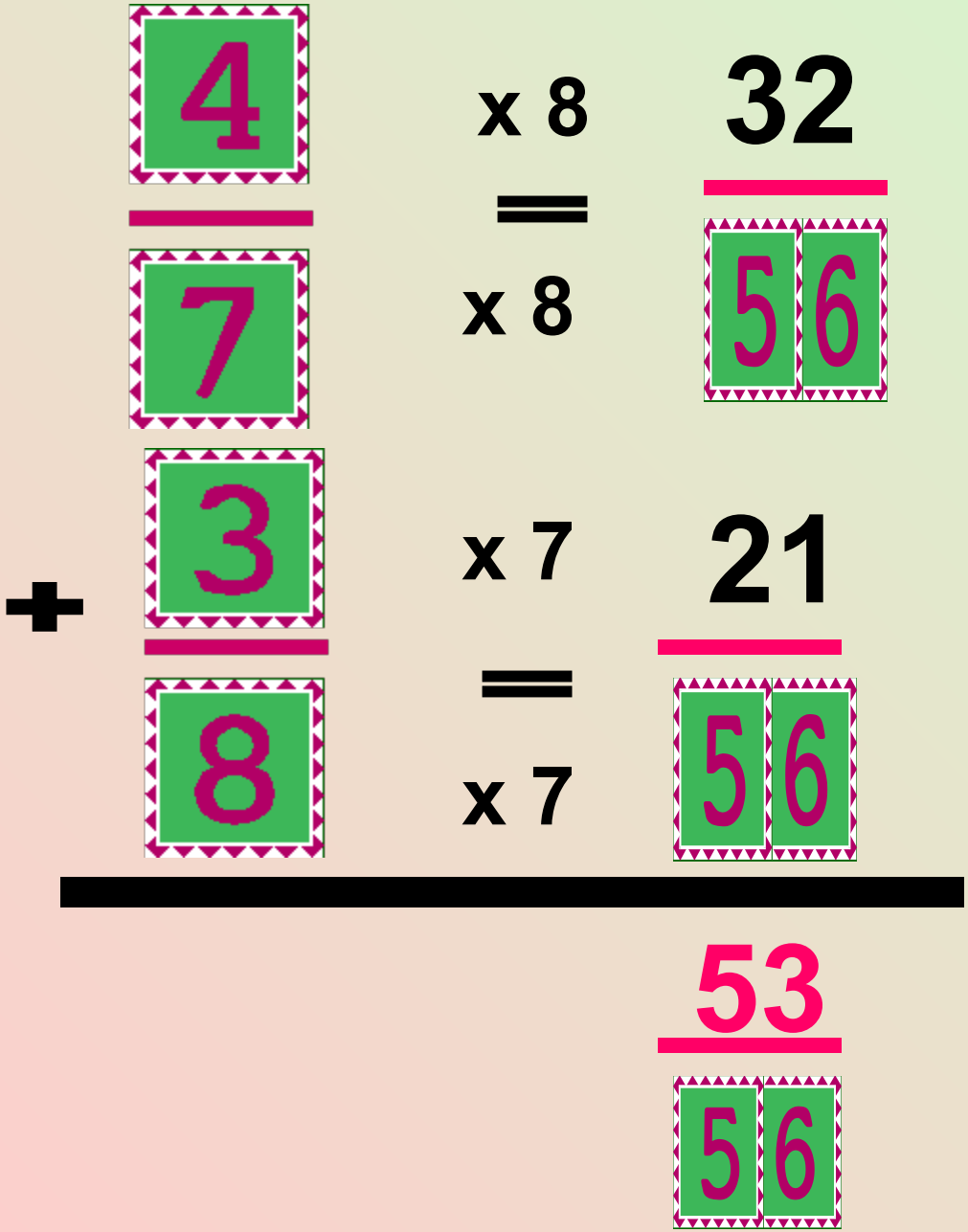


Make equivalent

Add the numerators

15 + 7 = 22

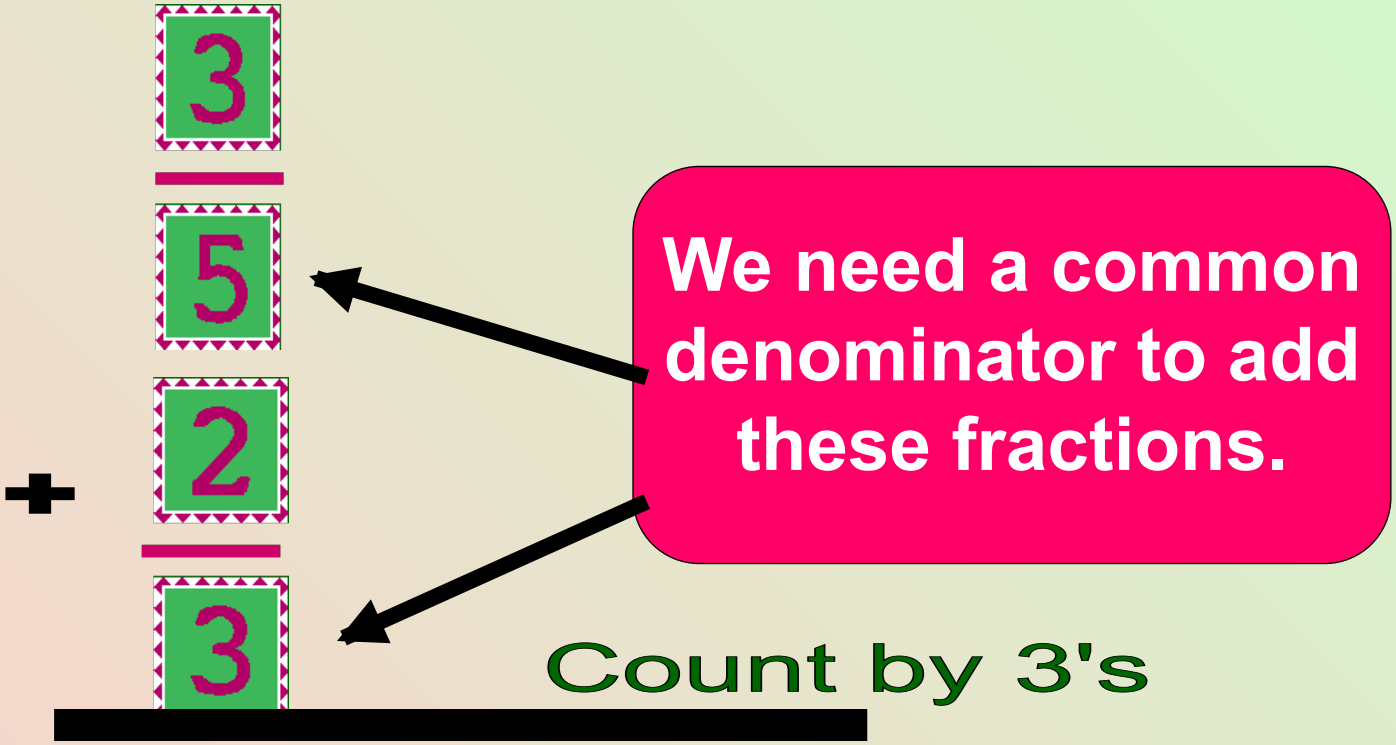

4
7
+
3
8
We need a common denominator to add these fractions.
Count by 7's
7, 14, 21, 28, 35, 42, 49, 56, 63
Count by 8's
8, 16, 24, 32, 40, 48, 56, 64, 72

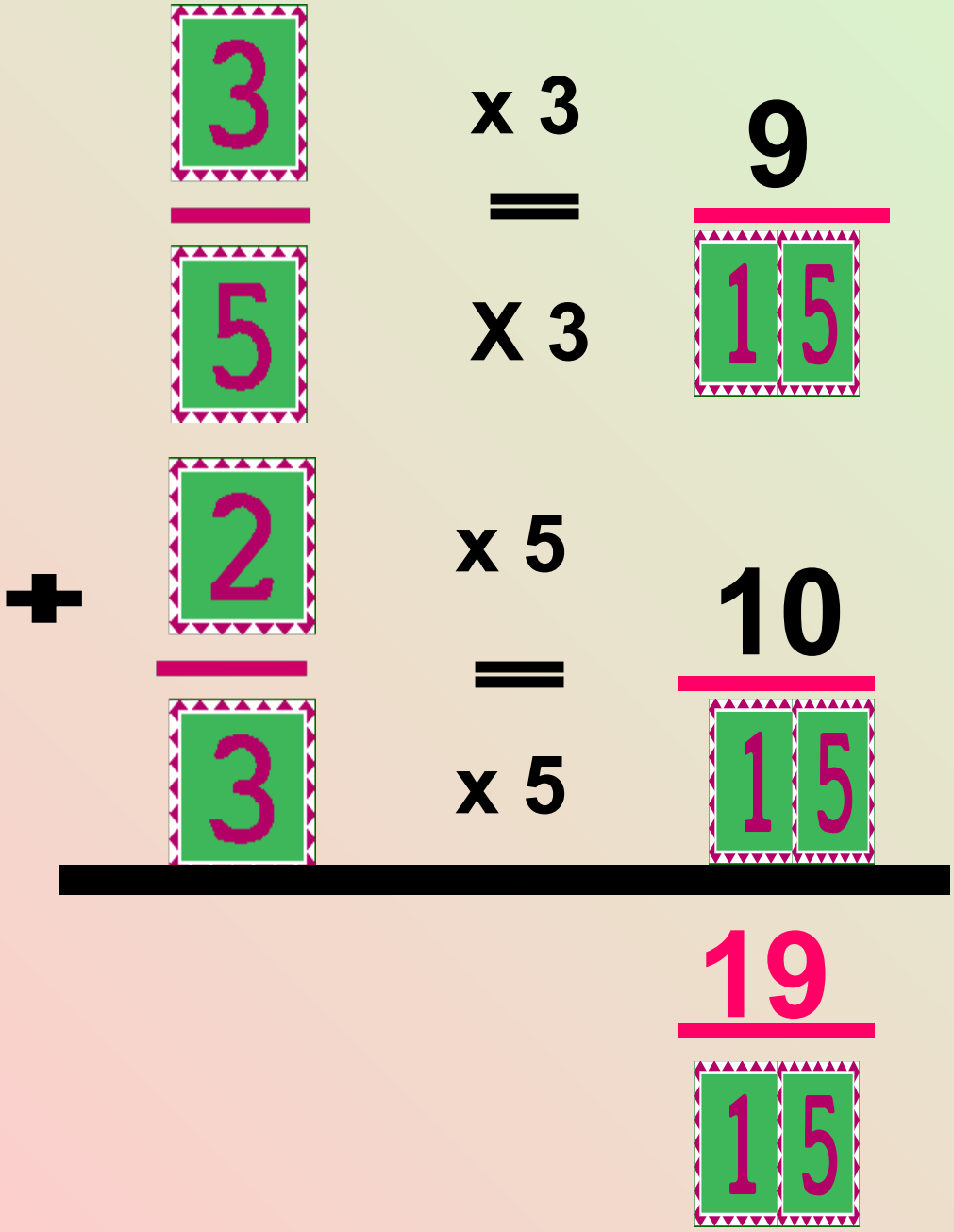


Make equivalent

Add the numerators

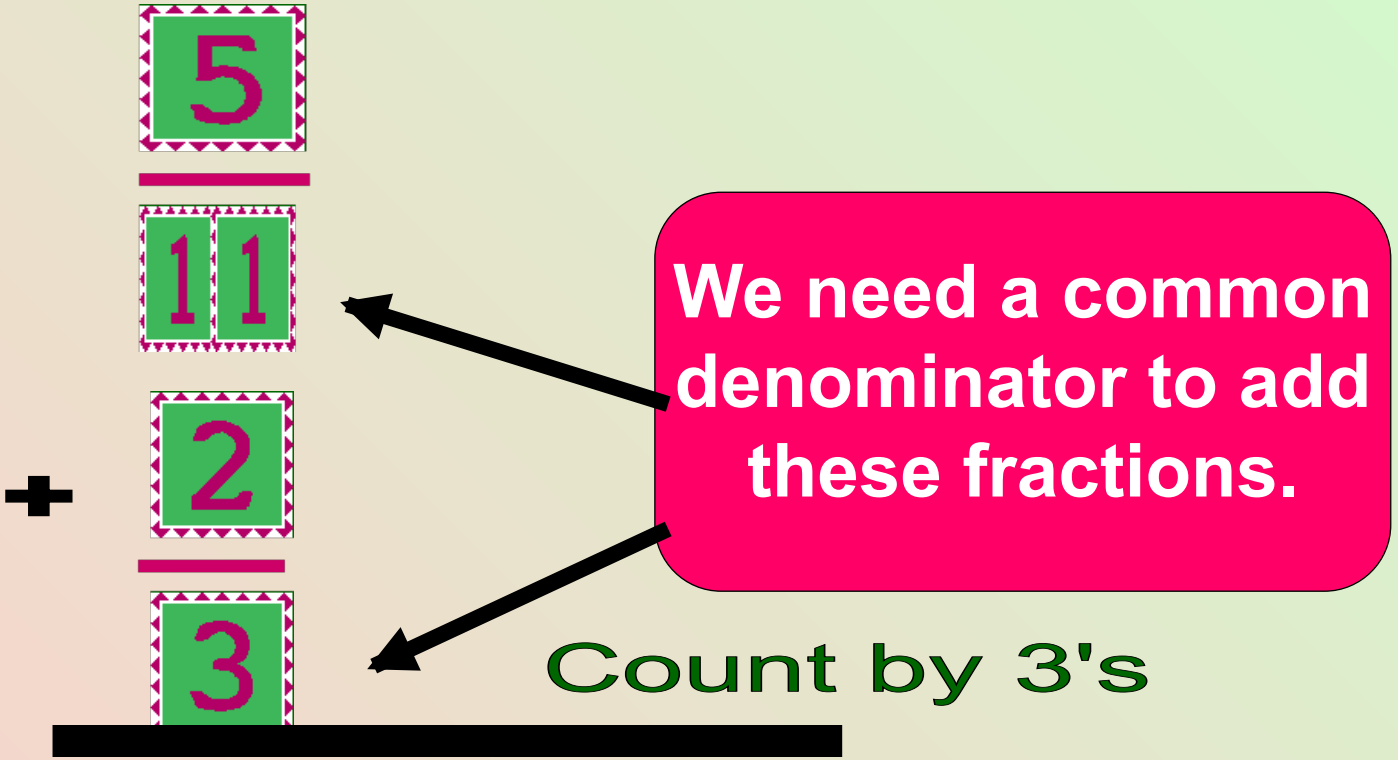
32 + 21 = 53

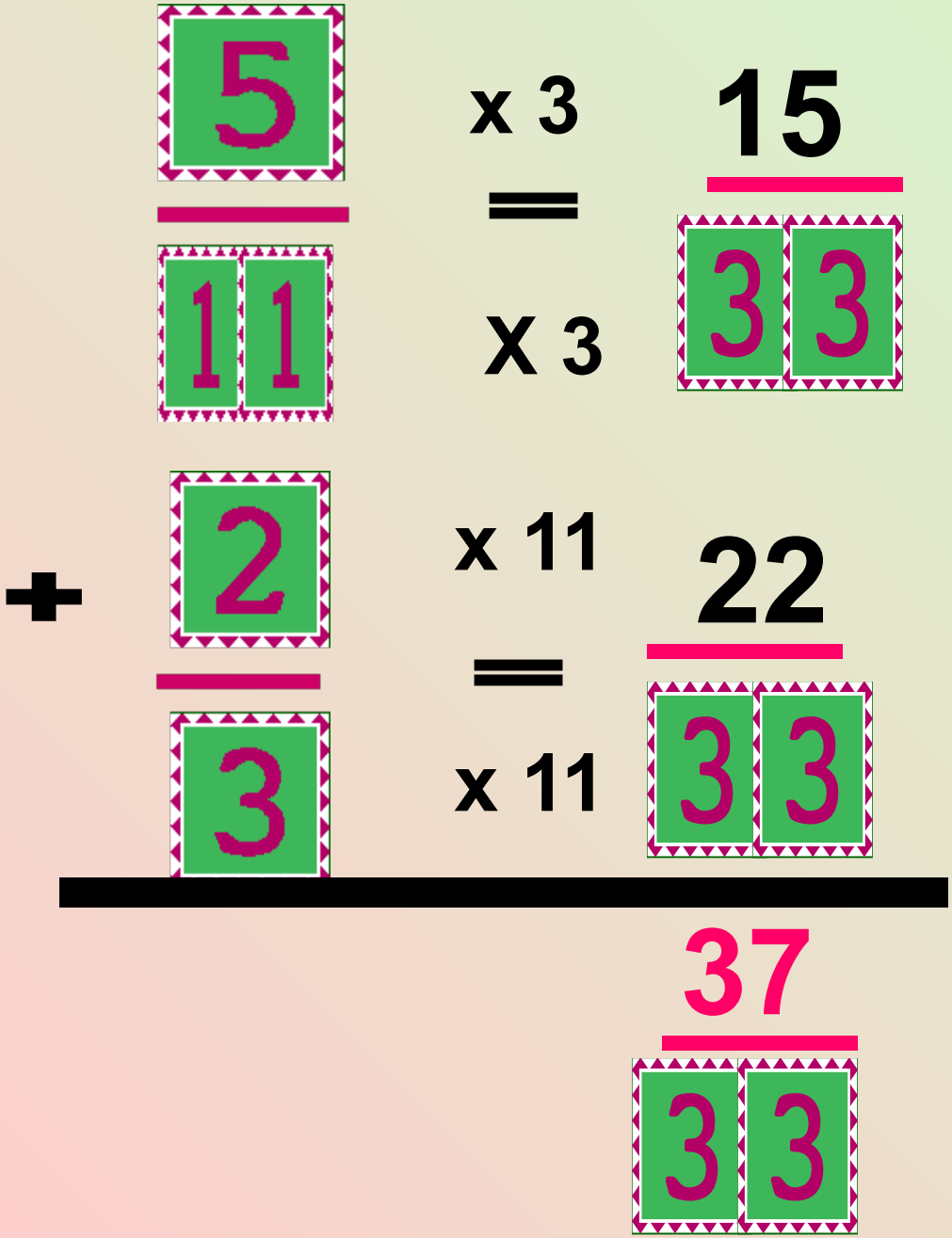

3
5
+
2
3
We need a common denominator to add these fractions.
Count by 3's
3, 6, 9, 12, 15, 18, 21, 24, 27
Count by 5's
5, 10, 15, 20, 25, 30, 35, 40, 45



Add the numerators

9 + 10 = 19


5
11
+
2
3
We need a common denominator to add these fractions.
Count by 3's
3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33
Count by 11's
11, 22, 33, 44, 55, 66, 77…



Make equivalent

Add the numerators

15 + 22 = 37

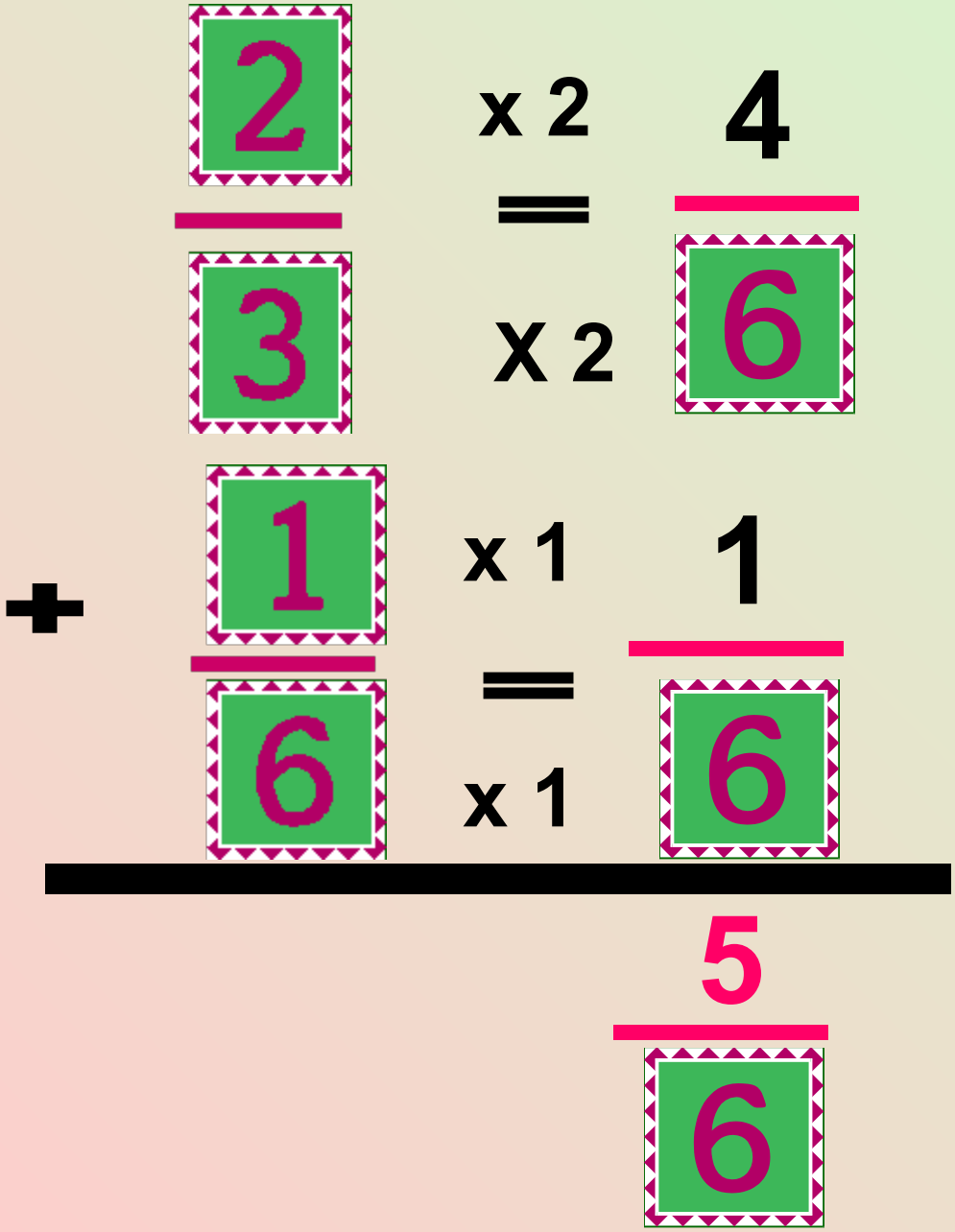
We need a common denominator to add these fractions.

Count by 3's

3, 6, 9, 12, 15, 18, 21, 24, 27

Count by 6's

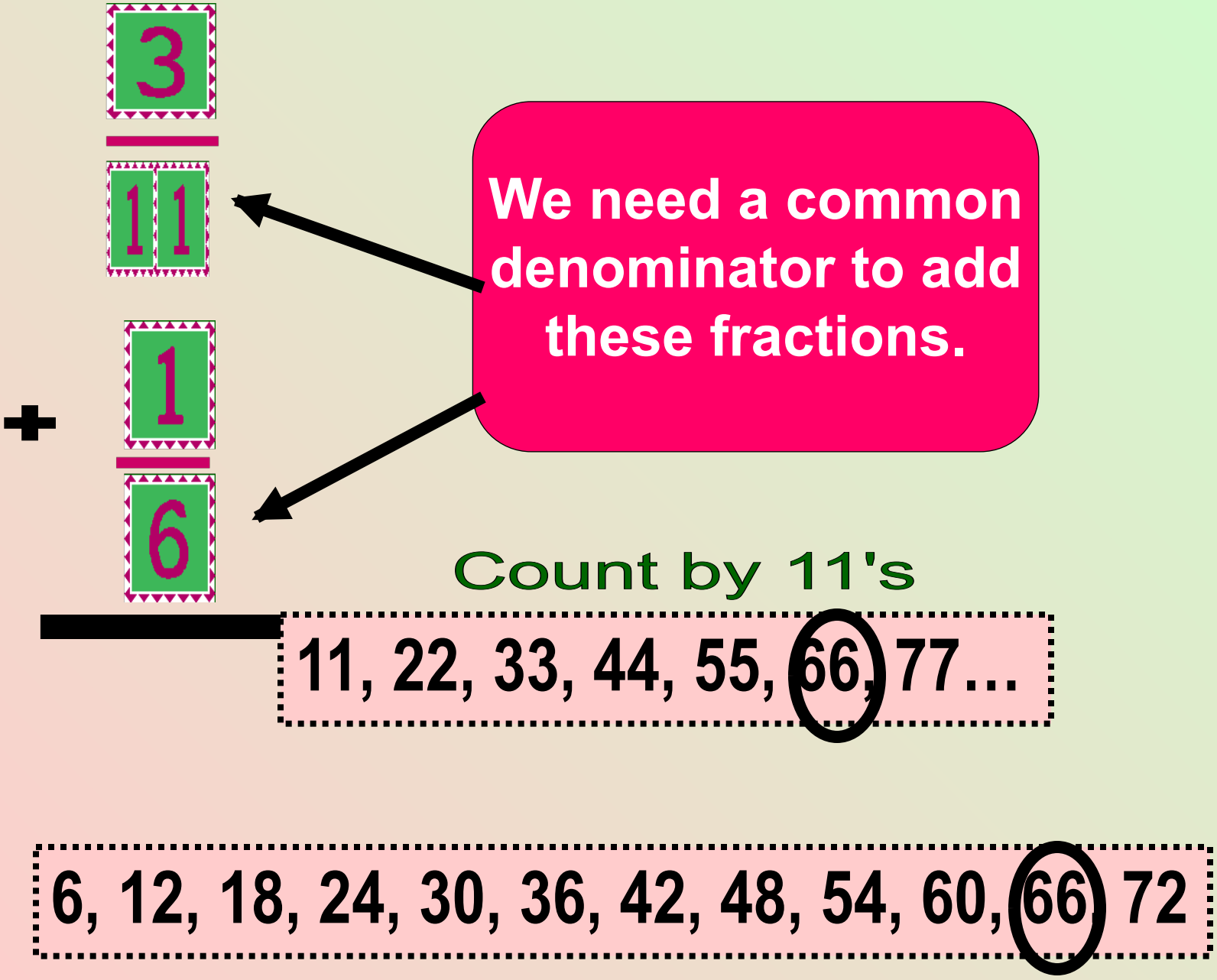
6, 12, 18, 24,...

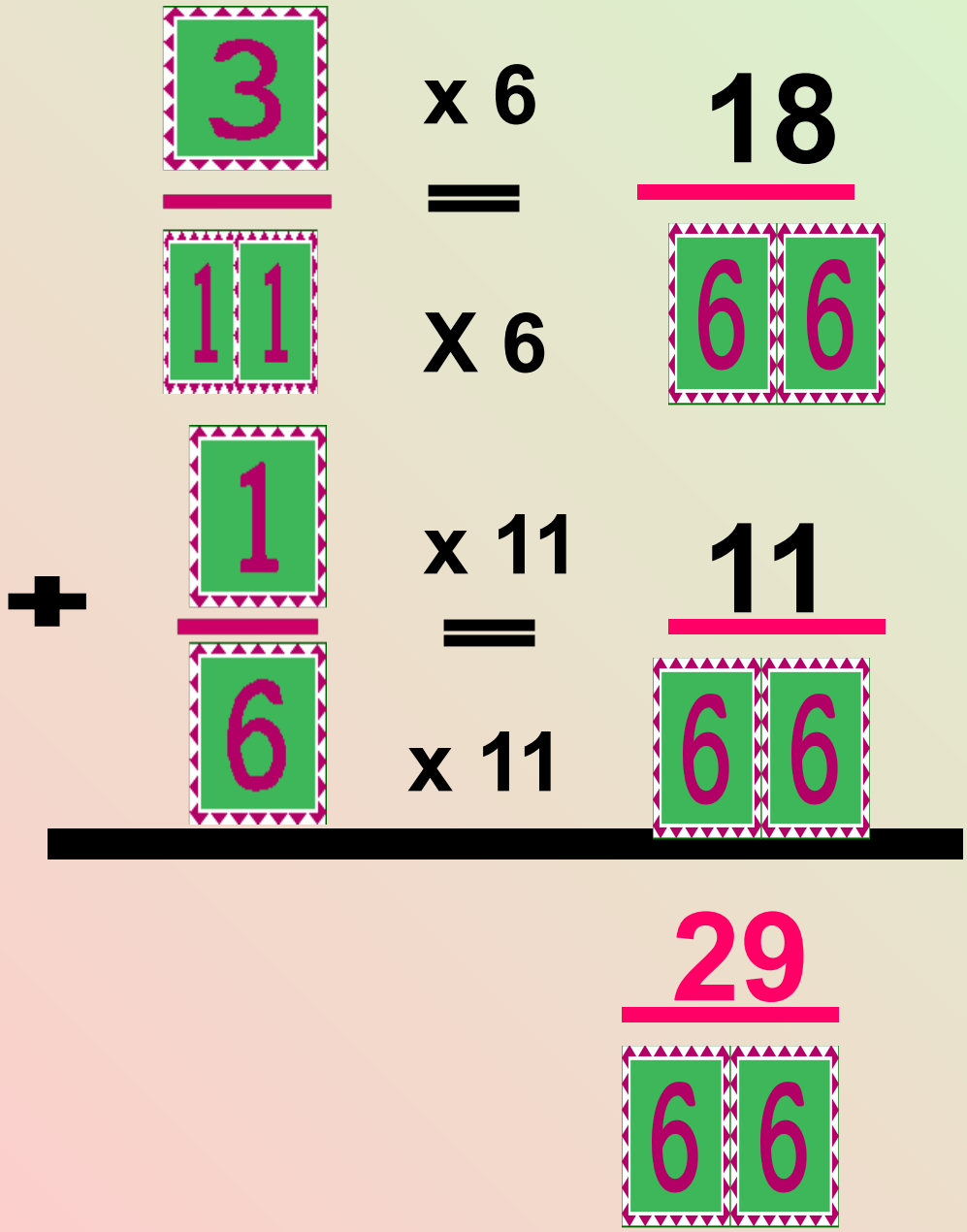


Make equivalent

Add the numerators

4 + 1 = 5

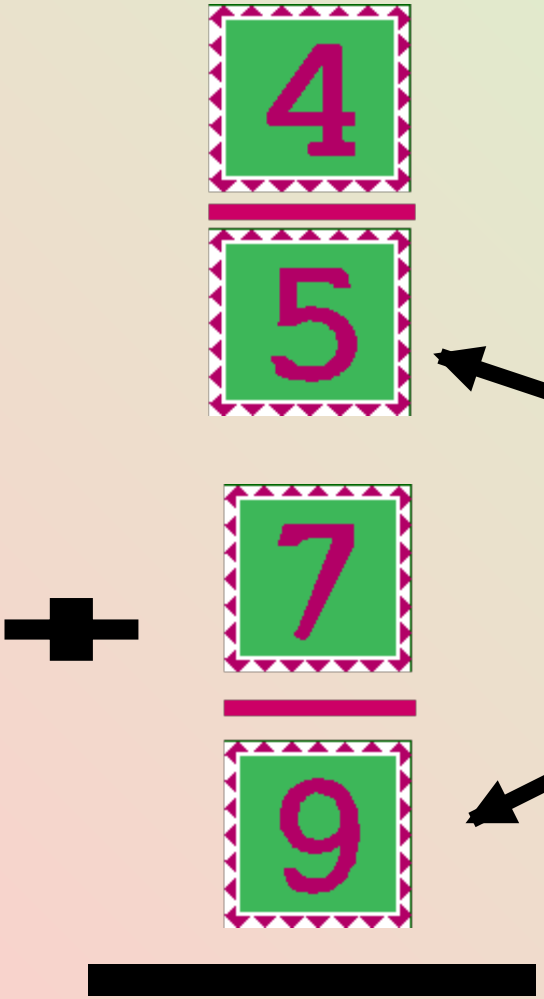

3
11
+
1
6
We need a common denominator to add these fractions.
Count by 11's
11, 22, 33, 44, 55, 66, 77…
6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72



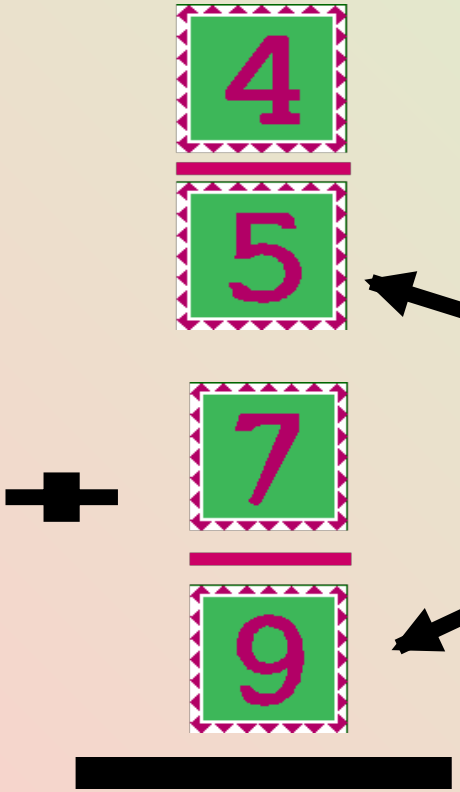
Make equivalent

Add the numerators.

18 + 11 = 29



We need a common denominator to add these fractions.



We need a common denominator to add these fractions.

Count by 5's

5, 10, 15, 20, 25, 30, 35, 40, 45

Count by 9's

9, 18, 27, 36, 45, 54, 63, 72, 81

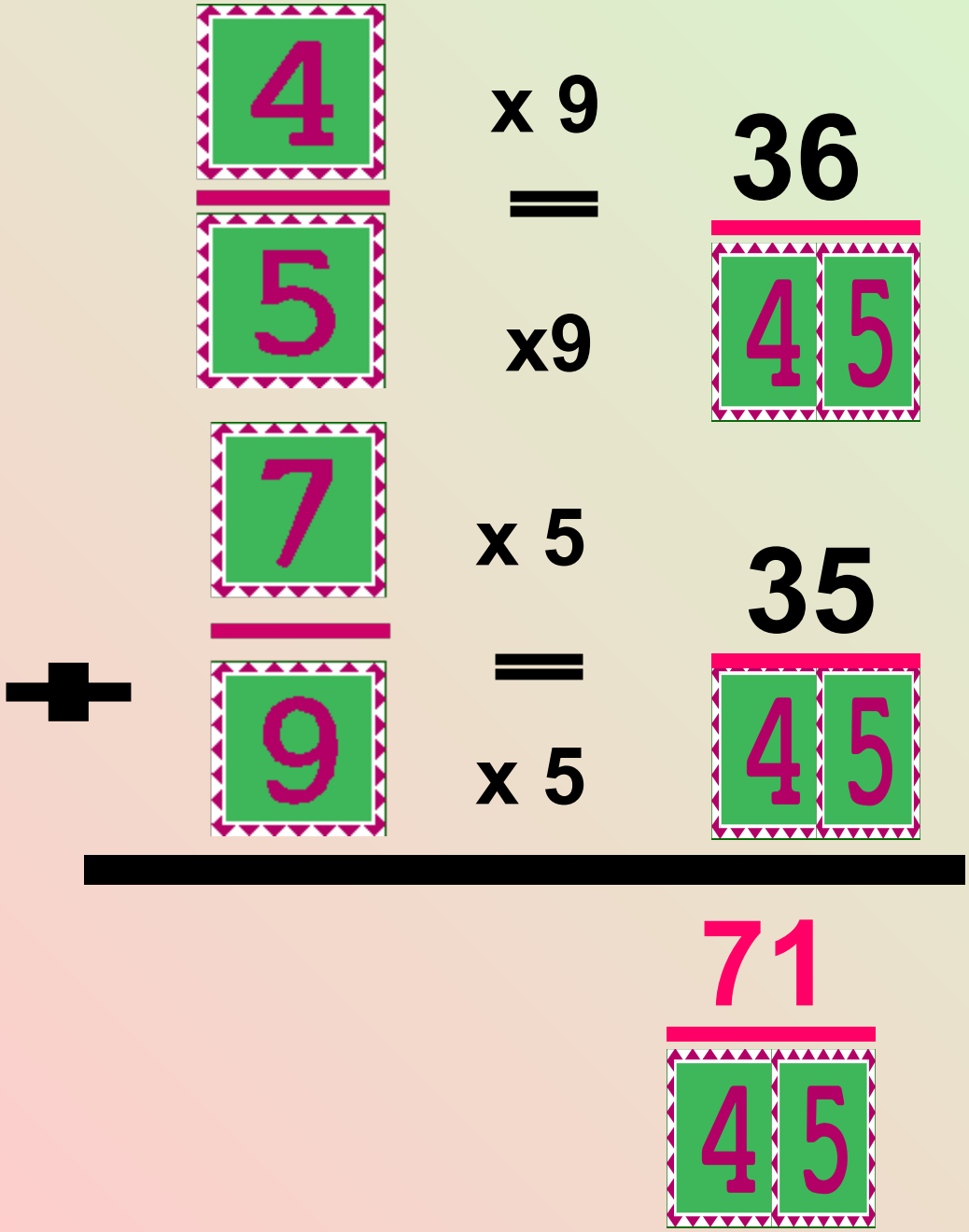
Count by 5's

5, 10, 15, 20, 25, 30, 35, 40, 45

Count by 9's

9, 18, 27, 36, 45, 54, 63, 72, 81

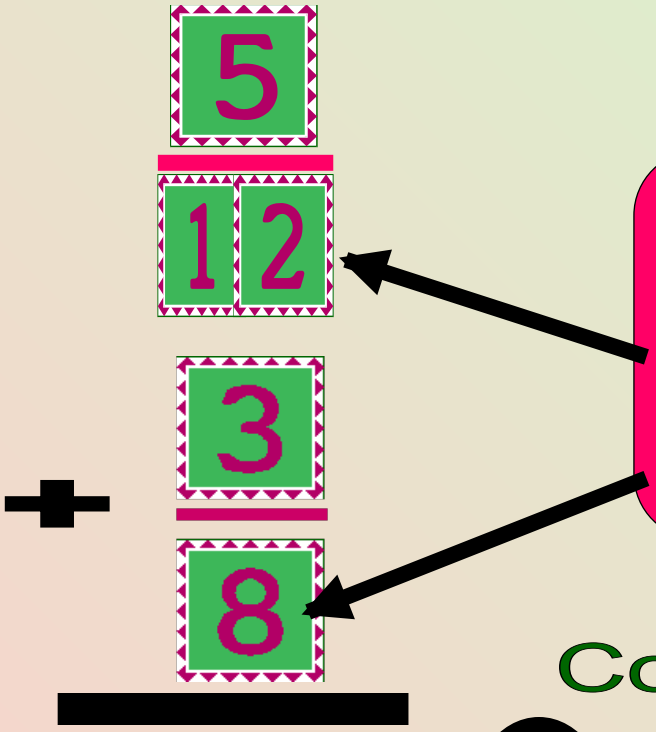
The first number IN COMMON that appears on both lists becomes the common denominator



Make equivalent

Add the numerators.

36 + 35 = 71



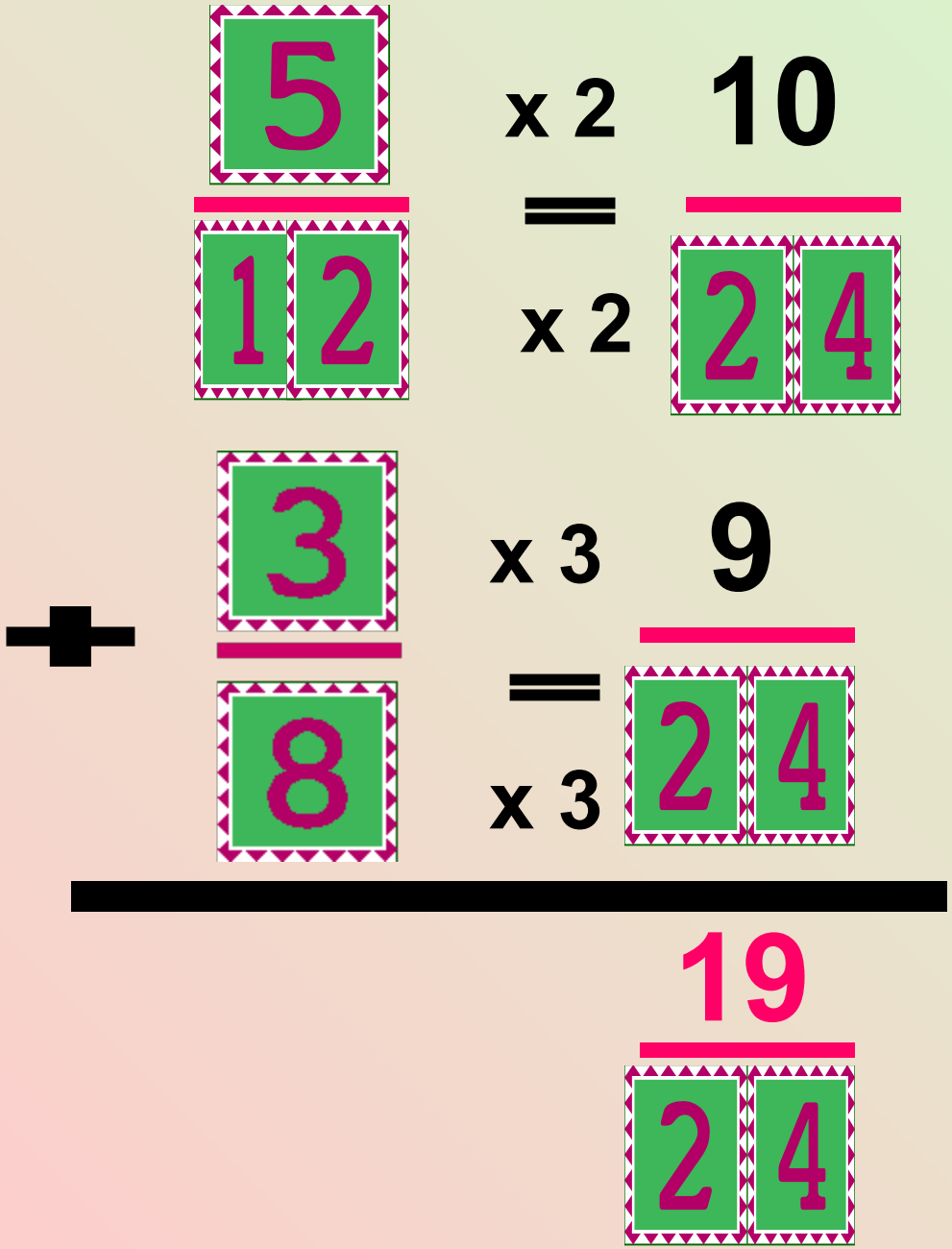
We need a common denominator to add these fractions.

Count by 12's

12, 24, 36, 48, 60, 72, 84, 96

Count by 8's

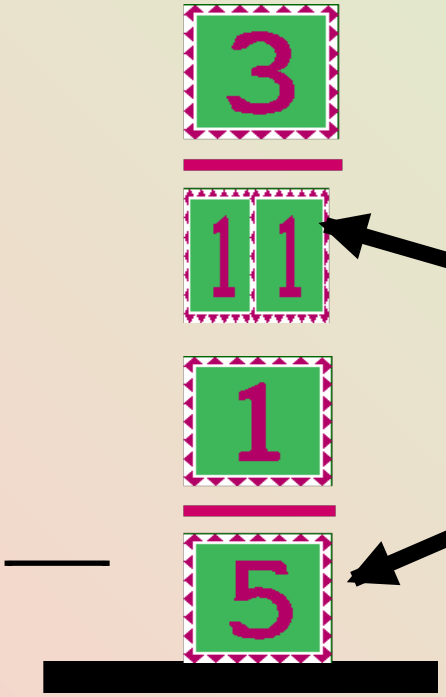
8, 16, 24, 32, 40, 48, 56, 64, 72, 79, 80, 88, 96



Make equivalent

Add the numerators.

10 + 9 = 19



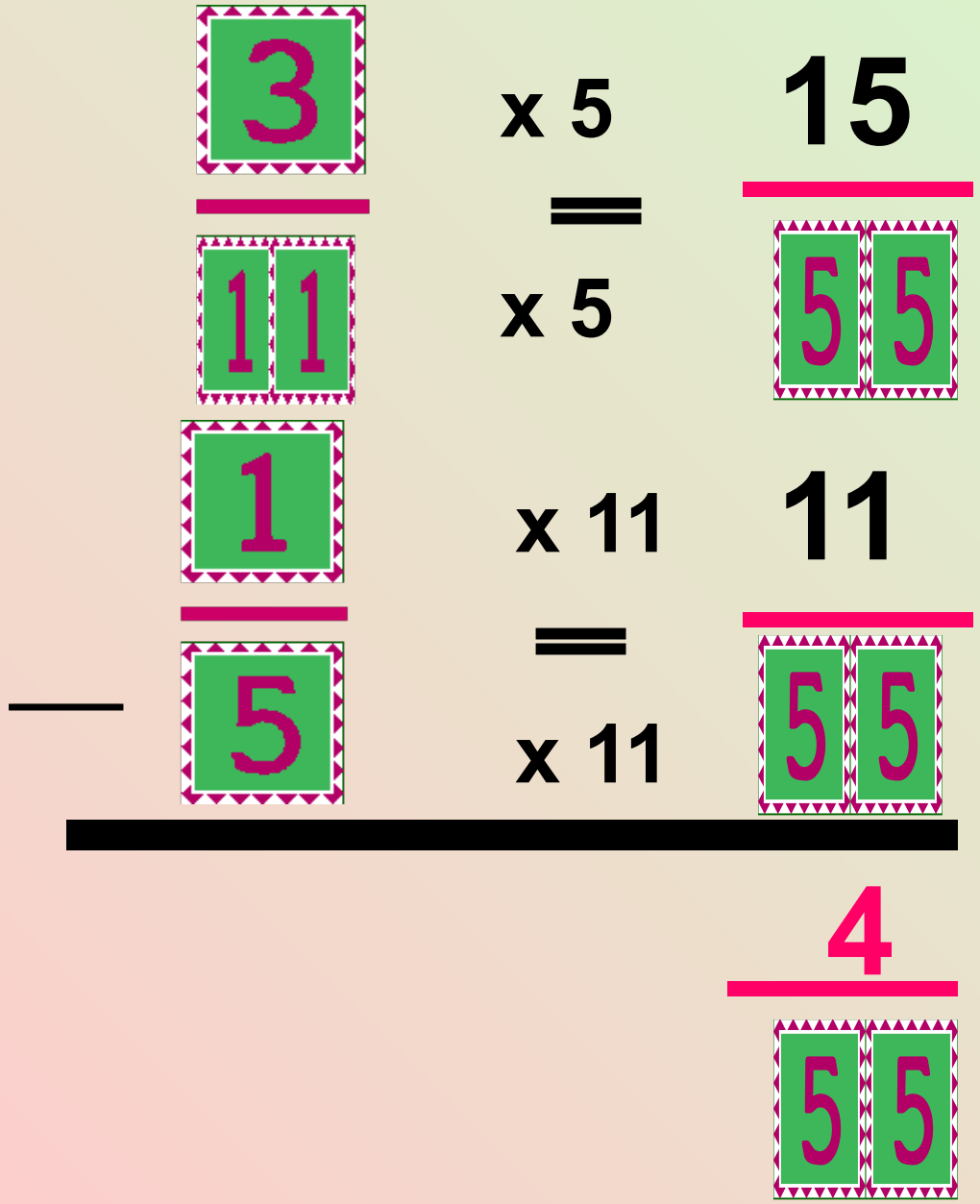
We need a common denominator to subtract a fraction from another.

Count by 5's

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55

Count by 11's

11, 22, 33, 44, 55, 66, 77…



Make equivalent

Subtract.

15 - 11 = 4

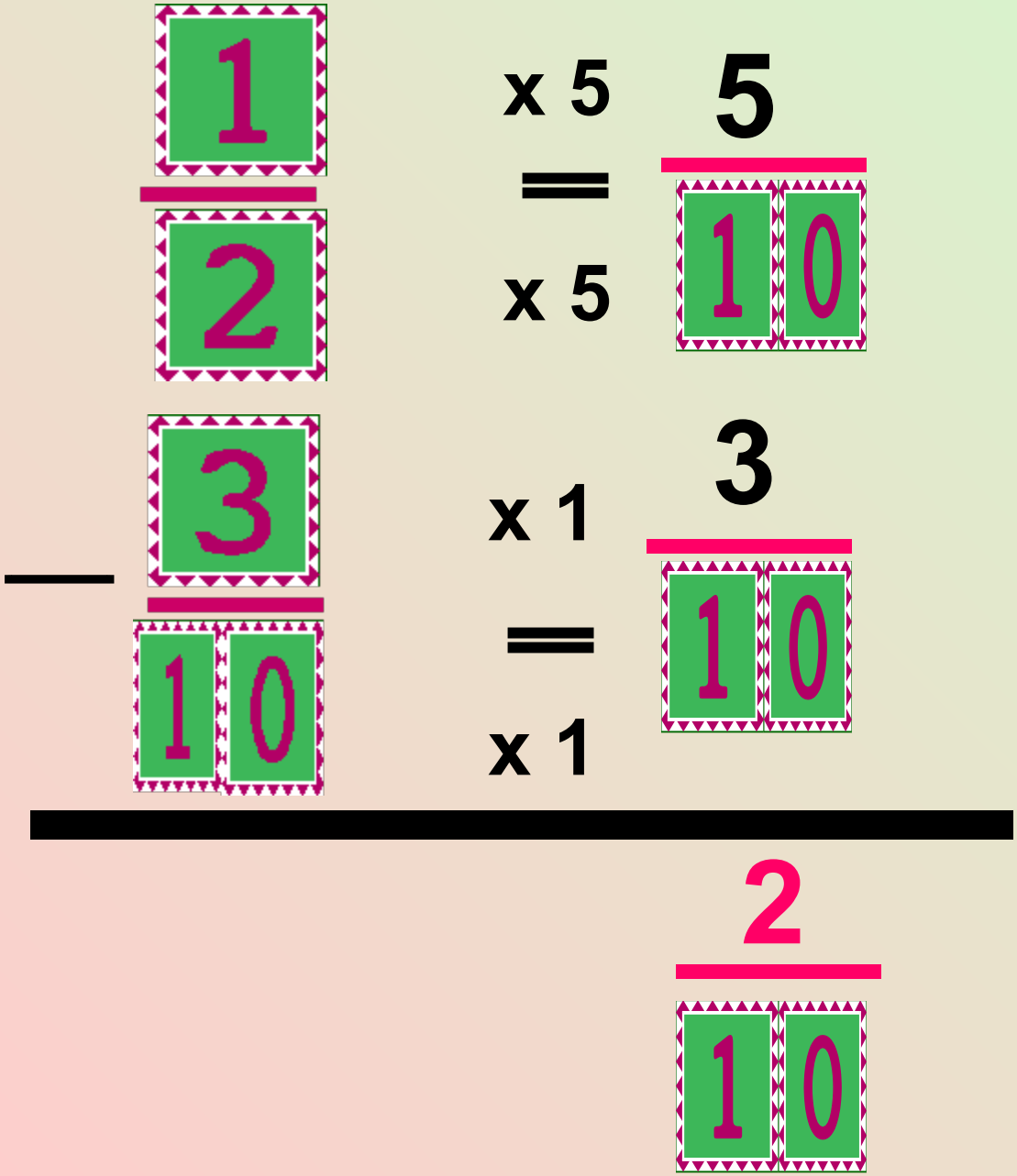
We need a common denominator to subtract one fraction from another.

Count by 2's

2, 4, 6, 8, 10, 12, 14, 16, 18, 20 …

Count by 10's

10, 20, 30…



Make equivalent

Subtract.

5 – 3 = 2

Try These

A $\frac{1}{3} + \frac{8}{27}$

B $\frac{1}{4} + \frac{5}{6}$

C $\frac{7}{10} + \frac{1}{4}$

D $\frac{1}{3} + \frac{7}{9}$

E $\frac{5}{7} + \frac{3}{4}$

F $\frac{2}{3} + \frac{4}{7}$

Answers On Next Slide

- Each click on the next slide reveals an answer.
- **Check your papers.**
- If you discover an incorrect answer, be able to explain your mistake.

Try These

A $\frac{17}{27}$

B $\frac{13}{12}$

C $\frac{19}{20}$

D $\frac{10}{9}$

E $\frac{41}{28}$

F $\frac{26}{21}$