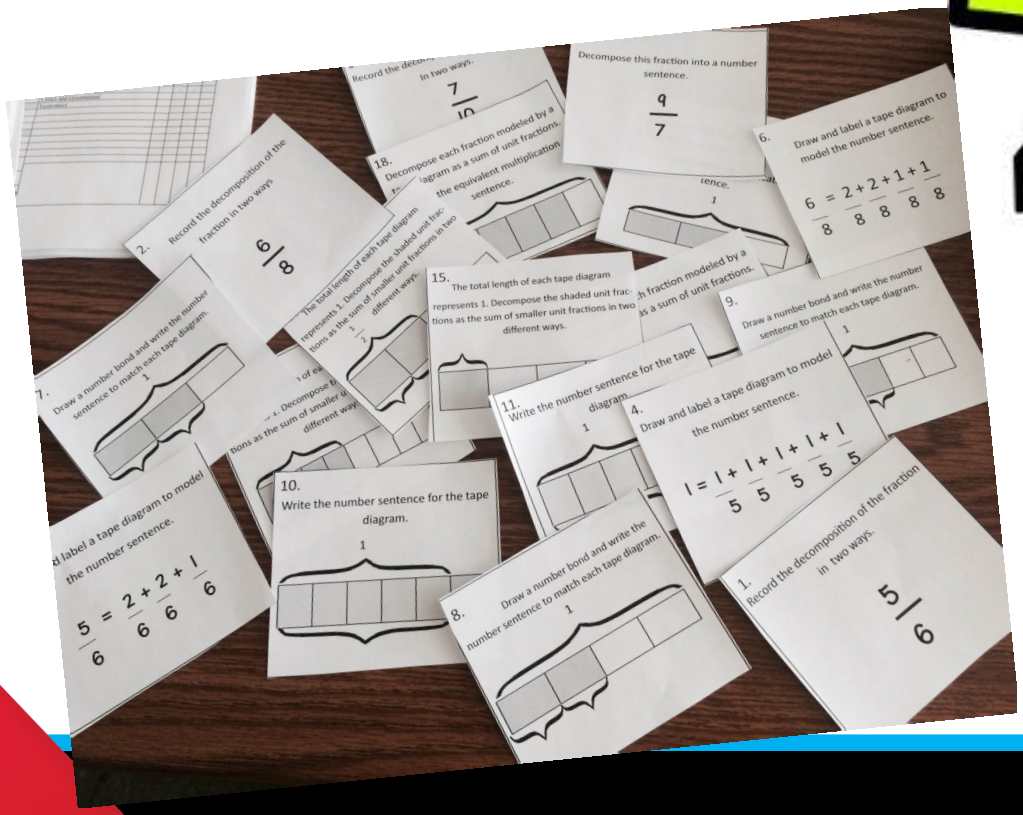
Decomposing Fractions SCOOT

Using Tape Diagrams, and Number bonds

3
4



How to Play...

Decomposing Fractions

Cut out the question cards numbered 1 through 18.
Tape them around the room in number order or my favorite, in the hallway!
Each student gets an answer sheet to write the answers on to the questions. (page 8 and 9). I print this front to back to save paper.

Each child picks a number to start at, or you can assign them problems to start. I give my class two minutes for each problem, when the timer goes off I say, "SCOOT!". The class then moves to the next number. Make sure you walk around the room and check to see if the student is putting the answer in the right box. (Question card 9 goes in answer box 9 and so on)

For this particular game, here are some of the tips you tell your class before you begin:

1. This is aligned with Engaged New York Math curriculum Module 5, Lessons 1 through 4. You do not need to use this curriculum to play this game.
2. Students need to know how to use tape diagrams and number bonds in order to play this game.
3. There are blank sheets for you to use at the end of the game for you to fill out with the answers so students know how to do the problems.

I did not make an answer sheet for this game, because

answers will vary for different problems.

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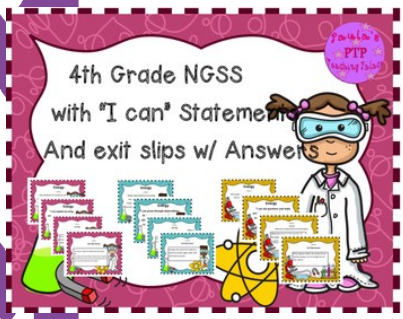
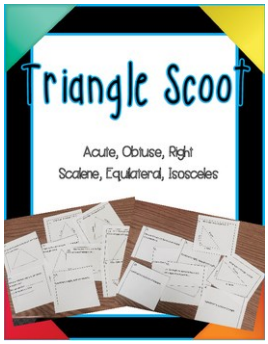




Posters **Games**

1.

Record the decomposition of the fraction in two ways.

$$\frac{5}{6}$$

2.

Record the decomposition of the fraction in two ways

$$\frac{6}{8}$$

3.

Record the decomposition of the fraction In two ways.

$$\frac{7}{10}$$

4.

Draw and label a tape diagram to model the number sentence.

$$1 = \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$

5.

Draw and label a tape diagram to model the number sentence.

$$\frac{5}{6} = \frac{2}{6} + \frac{2}{6} + \frac{1}{6}$$

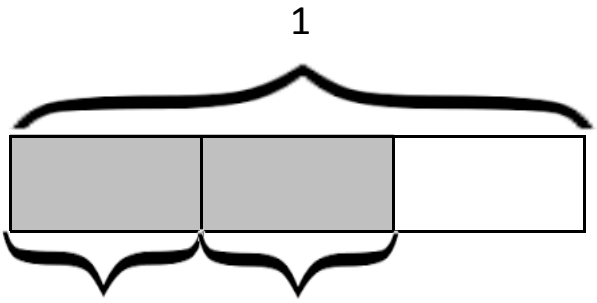
6.

Draw and label a tape diagram to model the number sentence.

$$\frac{6}{8} = \frac{2}{8} + \frac{2}{8} + \frac{1}{8} + \frac{1}{8}$$

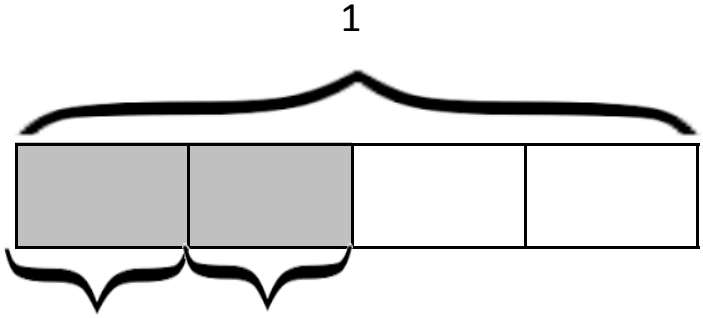
7.

Draw a number bond and write the number sentence to match each tape diagram.



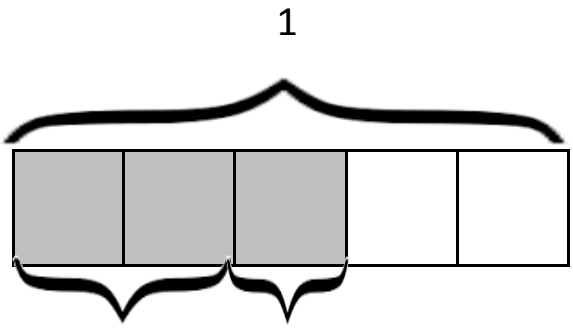
8.

Draw a number bond and write the number sentence to match each tape diagram.



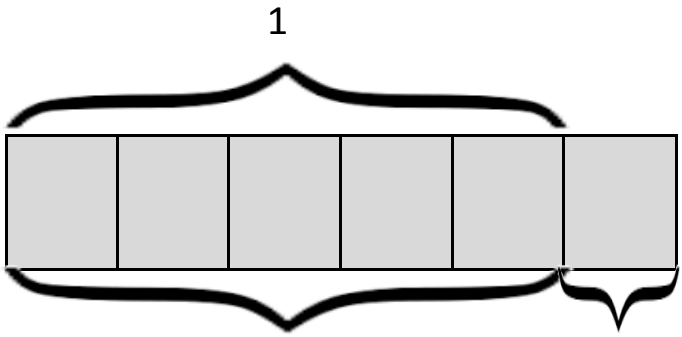
9.

Draw a number bond and write the number sentence to match each tape diagram.



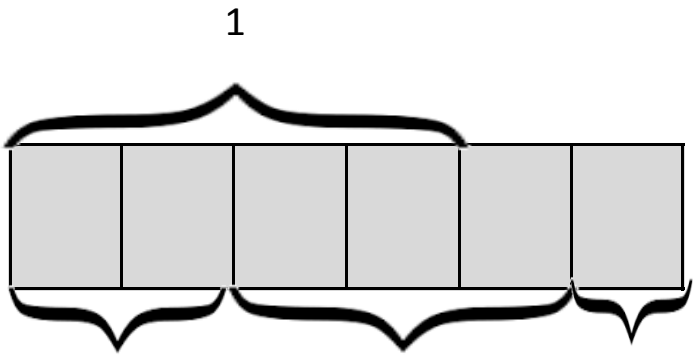
10.

Write the number sentence for the tape diagram.



11.

Write the number sentence for the tape diagram.



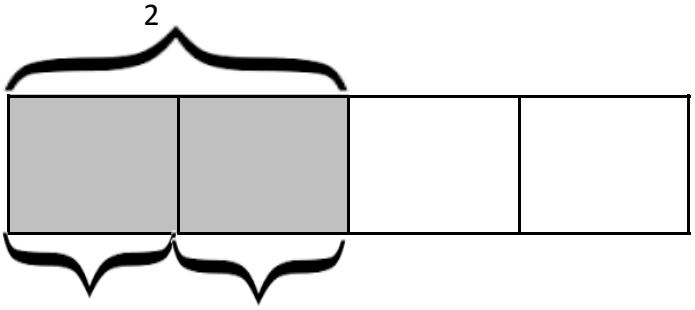
12.

Decompose this fraction into a number sentence.

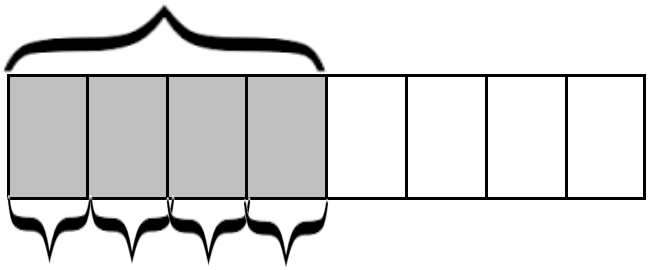
$$\frac{q}{7}$$

13. The total length of each tape diagram represents 1. Decompose the shaded unit fractions as the sum of smaller unit fractions in two different ways.

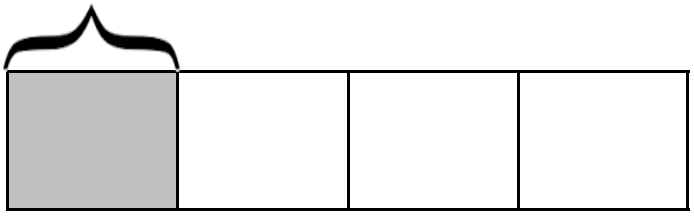
$\frac{1}{2}$



14. The total length of each tape diagram represents 1. Decompose the shaded unit fractions as the sum of smaller unit fractions in two different ways.



15. The total length of each tape diagram represents 1. Decompose the shaded unit fractions as the sum of smaller unit fractions in two different ways.

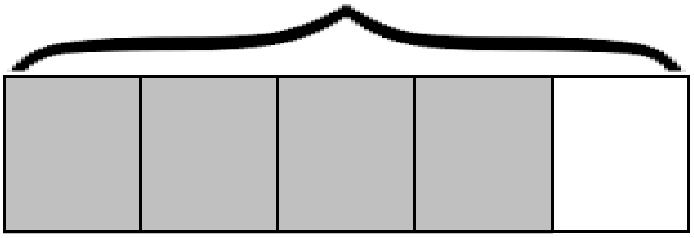


16. Decompose each fraction modeled by a tape diagram as a sum of unit fractions.

Write the equivalent multiplication sentence.

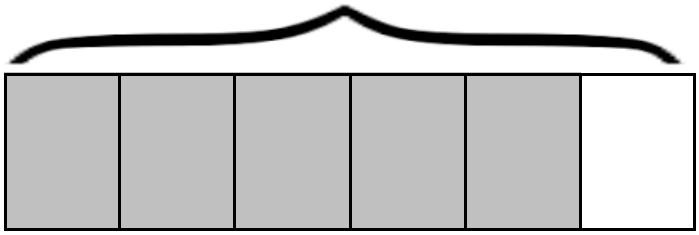
1

17. Decompose each fraction modeled by a tape diagram as a sum of unit fractions.



18. Decompose each fraction modeled by a tape diagram as a sum of unit fractions.

Write the equivalent multiplication sentence.



1.	2.	3.
4.	5.	6.
7.	8.	9.

10.	11.	12.
13.	14.	15.
16.	17.	18.

1.

Record the decomposition of the fraction in two ways.

2.

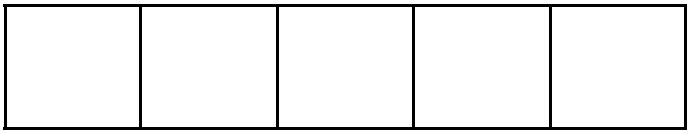
Record the decomposition of the fraction in two ways

3.

Record the decomposition of the fraction In two ways.

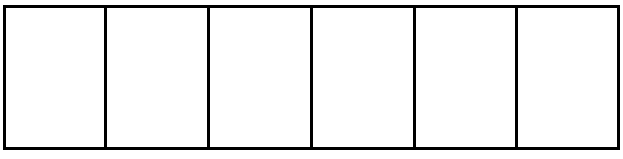
4.

Draw and label a tape diagram to model the number sentence.



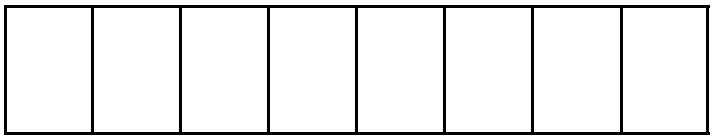
5.

Draw and label a tape diagram to model the number sentence.



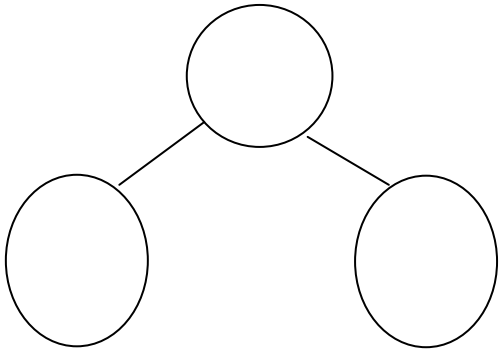
6.

Draw and label a tape diagram to model the number sentence.



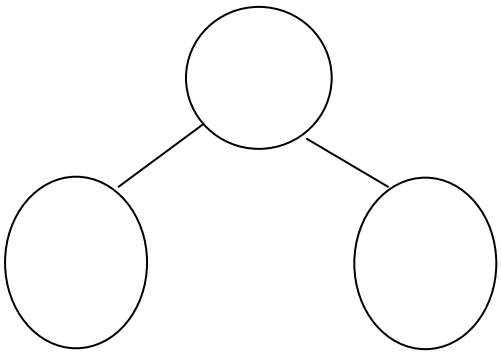
7.

Draw a number bond and write the number sentence to match each tape diagram.



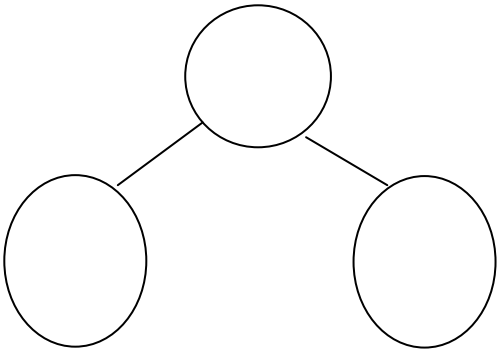
8.

Draw a number bond and write the number sentence to match each tape diagram.



9.

Draw a number bond and write the number sentence to match each tape diagram.



10.

Write the number sentence for the tape diagram.

11.

Write the number sentence for the tape diagram.

12.

Decompose this fraction into a number sentence.

13. The total length of each tape diagram represents 1. Decompose the shaded unit fractions as the sum of smaller unit fractions in two different ways.	14. The total length of each tape diagram represents 1. Decompose the shaded unit fractions as the sum of smaller unit fractions in two different ways.
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