



Beginning of Grade 8 Number Sense (Integers) SNAP

35
20
5
-10
-25
-40
-55
-70
↑ -85
Count forwards by 15 from the number.

Write a sentence and/or draw and label a picture to represent the value of the number in a real-life context.

-85

I had zero dollars in my bank account and I bought \$85 dollars worth of candy, so my bank account was overdraft \$85.

Count backwards by 6 from the number.

↓
-85

-91

-97

-103

-109

-115

-121

-127

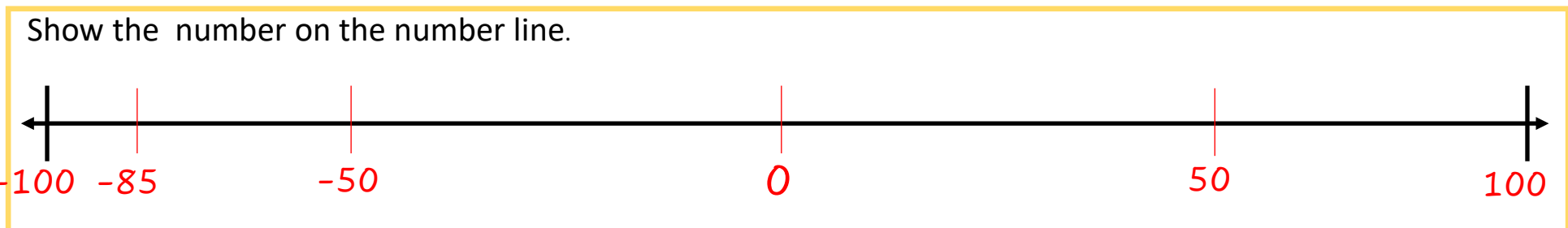
-133

Write the number in expanded form.

Negative eighty-five

Decompose the number in three ways to make three equations.

1.	$-10 \times 8 - 5 = -85$
2.	$(-25 \times 4) + 15 = -85$
3.	$-40 \times 2 - 5 = -85$



Reflect:

Communicating & Representing:

Draw 1 2 3

Words 1 2 3

Expanded Form 1 2 3

Understanding & Solving:

Decompose 1 2 3

Connecting & Reflecting:

Real-Life 1 2 3

Reflection 1 2 3

Reasoning & Analyzing:

Counting Forward 1 2 3

Counting Backwards 1 2 3

Number Line 1 2 3

1 – Emerging 2 – Developing 3 – Proficient



Name: _____ Teacher _____ Date: _____

End of Grade 8 Number Sense (Fractions) SNAP

Remember to reduce fractions and change into mixed numbers where you can.

1 1/8

1 7/8

1 5/8

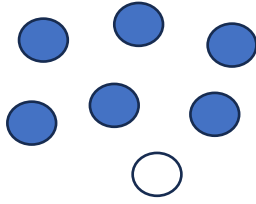
1 3/8

1 1/8

Count forwards
by
 $\frac{1}{4}$ from the
number.

Draw a picture to represent the value of the number.

Set Model



Area Model



$\frac{7}{8}$

Write the number in words.

Seven eighths

Decompose the number in three ways to make three equations.

1. $1/8 + 2/8 + (2 \times 2/8) = 7/8$
2. $1 - 1/8 = 7/8$
3. $3/4 + 1/8 = 7/8$

Count backwards
by $\frac{1}{16}$
from the
number.

13/16

12/16

3/4

11/16

10/16

5/8

9/16

Write a real-life example that represents the equation: $\frac{7}{8} \div 2$

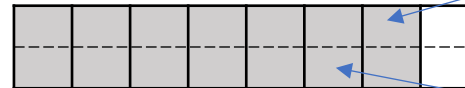
I have a chocolate bar with 8 pieces. I ate one piece and now I want to share the rest with my friend. I want to share it equally, so I cut the remaining 7 pieces in half and end up with 14 smaller pieces. We split this in half, and each get 7 smaller pieces.

Draw:

Original Chocolate Bar with one piece missing

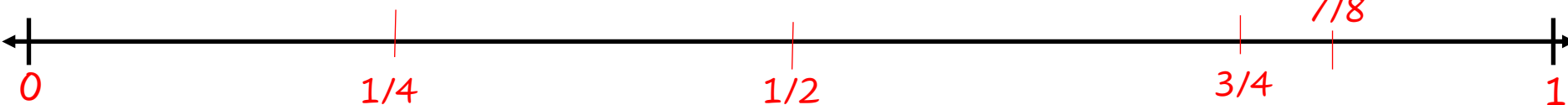


my pieces



my friend eats these pieces

Show on the number line.



Reflect:

Communicating & Representing:
Draw 1 2 3
Words 1 2 3

Understanding & Solving:
Decompose 1 2 3

Connecting & Reflecting:
Real-Life 1 2 3
Reflection 1 2 3

Reasoning & Analyzing:
Counting Forward 1 2 3
Counting Backwards 1 2 3
Number Line 1 2 3

1 – Emerging

2 – Developing

3 – Proficient