5-Minute Check

(over Lesson 1-8)

Transparency 1-9

Lea recorded the temperature of the taffy she was making while it was cooking. Use the table for Questions 1 and 2.

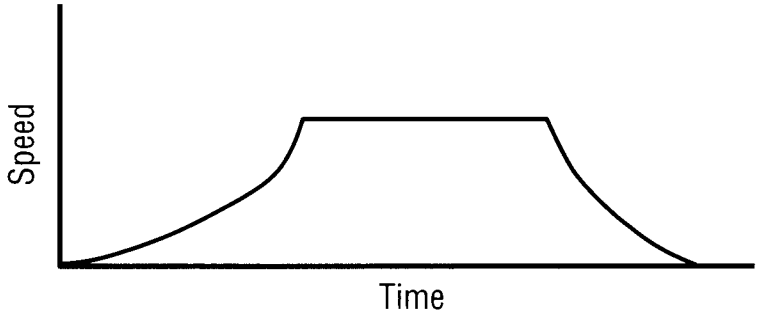
BE-1A
TUESDAY 9-[illegible]06
+ PROGRESS REPORTS

	1	3	5	7	9
	100	115	145	195	255

1. Identify the independent and dependent variables.
2. Taffy must reach a temperature between 250°F and 265°F. Write the ordered pair that indicates when Lea's mixture reached this stage.

3. **Standardized Test Practice**

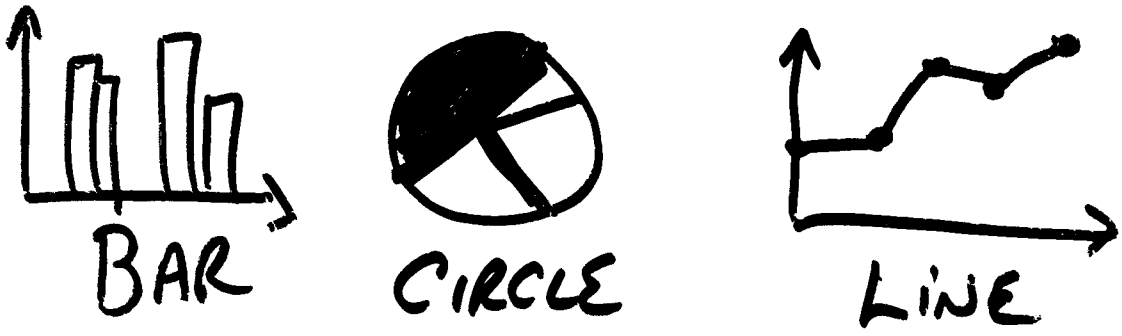
If the graph indicates the speed of a car on a test track, what does the horizontal portion of the graph indicate?



ANSWERS

1. The independent variable is minutes, and the dependent variable is temperature.
2. (9, 255)
3. Sample answer: The car is moving at a constant speed.

Ch. 1-9 Types of Graphs [Pg. 50-53]



BAR CIRCLE LINE

BEST:	Compare categories	Show "parts of a whole"	Change over time

Misleading Graphs:

- Leave numbers out on an axis (with showing a break!)
- tick marks are not equal distance apart
- %'s on a circle graph do not add up to 100%

Ch. 2-1 RATIONAL Numbers ON A Number LINE

$\{1, 2, 3, \ldots\}$ NATURALS

$\{0, 1, 2, 3, \ldots\}$ WHOLE

$\{\ldots -3, -2, -1, 0, 1, 2, 3, \ldots\}$ INTEGERS

$\left\{\frac{a}{b} \text{ where } a, b \text{ ARE INTEGERS}, b \neq 0\right\}$ RATIONAL

OR

{ALL TERMINATING AND REPEATING decimals}

EXAMPLES OF RATIONAL

$\frac{1}{2}, \frac{2}{3}, -\frac{15}{3}, 0 = \frac{0}{0}$

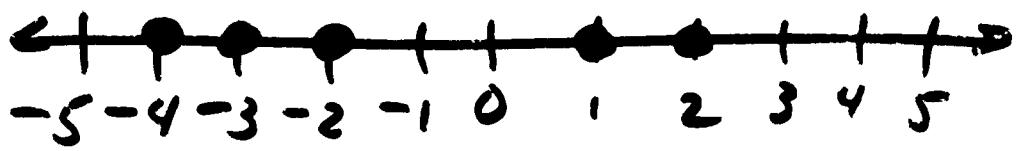
$4 = \frac{4}{1}, .5, .\overline{6}$

$3.8, -9.40,$

Graphing Rational Numbers on a Number Line.

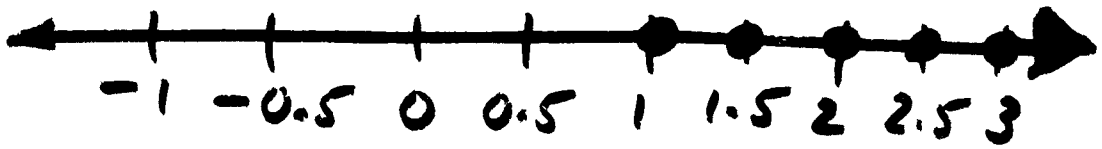
Ex 1 Pg 69 Name the set:

(a)



$\{-4, -3, -2, 1, 2\}$

(b)



$\{1, 1.5, 2, 2.5, 3, \ldots\}$

Ex 2 Pg 69

Graph each set:

(a) $\{\ldots, -4, -2, 0, 2, 4, 6\}$

(b) $\left\{-\frac{4}{3}, -\frac{1}{3}, \frac{2}{3}, \frac{5}{3}\right\}$

(c) {Integers < -3 or ≥ 5}

ABSOLUTE VALUE THE DISTANCE FROM ZERO ON A NUMBER LINE.

WRITTEN AS $|x|$

ALWAYS POSITIVE SINCE DISTANCE IS ALWAYS POSITIVE.

$|4| = 4$

$|-4| = 4$

$|6-4| = 2$

$|4-6| = 2$

$\left|\frac{7}{9}\right| = \frac{7}{9}$

Ex 4 Pg 70 EVALUATE

$x = 8$

$15 - |x+4|$

$15 - |(\ ) + 4|$

$15 - |(8) + 4|$

$15 - |12|$

$15 - 12 = \boxed{3}$

Pg 70 # 4-15

Pg 71 # 18-40 evens
