

Entering 8<sup>th</sup> grade

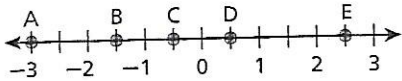
✓ **Graph Numbers on a Number Line**

Identify the point on the number line that matches each number.

30.  $-0.5$

31.  $2.5$

32.  $-3$



✓ **Compare and Order Real Numbers**

Compare. Write  $<$ ,  $>$ , or  $=$ .

33.  $\frac{5}{12}$    $\frac{3}{4}$

34.  $\frac{4}{20}$    $20\%$

✓ **Evaluate Expressions**

Evaluate each expression for the given value of the variable.

35.  $5w - 16$  for  $w = 6$

36.  $-8 - \frac{2}{3}h$  for  $h = 6$

✓ **Solve One-Step Equations**

Solve each equation.

37.  $5g = 135$

38.  $x - 16 = 8$

✓ **Combine Like Terms**

Simply each expression by combining like terms.

39.  $3b - 32 + 4b$

40.  $-3f + 4t - 3t + 6f$

✓ **Solve Multi-Step Equations**

Solve each equation.

41.  $4x + 16 = 40$

42.  $\frac{x}{5} - 9 = 1$

✓ **Solve Proportions**

Solve each proportion.

43.  $\frac{3}{4} = \frac{z}{12}$

44.  $\frac{10}{30} = \frac{6}{t}$

✓ **Function Tables**

45. Generate ordered pairs for the function for  $x = -2, -1, 0, 1, 2$ .

$y = 5x + 3$

$x$	$y$
-2	<input type="checkbox"/>
-1	<input type="checkbox"/>
0	<input type="checkbox"/>
1	<input type="checkbox"/>
2	<input type="checkbox"/>

✓ **Ordered Pairs**

Graph each point on the same coordinate grid.

46.  $A(-3, -4)$

47.  $B(2, 0)$

✓ **Graph Linear Functions**

48. Graph the function  $y = 2x + 1$ .

✓ **Solve and Graph Inequalities**

Solve and graph each inequality.

49.  $b - 8 \geq -11$

50.  $-\frac{3}{4}x > 3$