



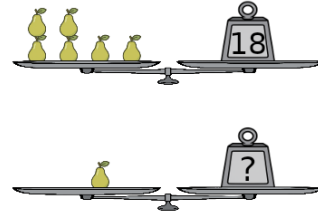
Equations and Inequalities

- 1 What number can be put in the circle to make this equation correct?

$$3 \cdot \bigcirc + 2 = 20 - 3 \cdot \bigcirc$$

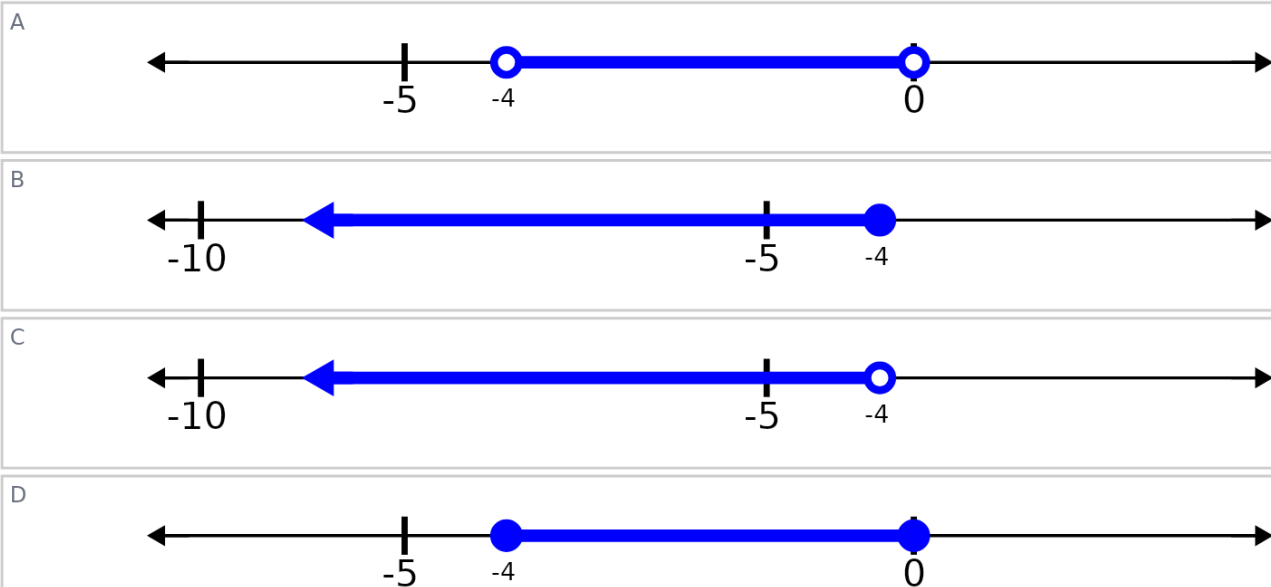
A	$\bigcirc = 0$	B	$\bigcirc = 2$
C	$\bigcirc = 4$	D	$\bigcirc = 5$
E	$\bigcirc = 6$	F	$\bigcirc = 3$

- 2 Which equations represent what these scales are showing



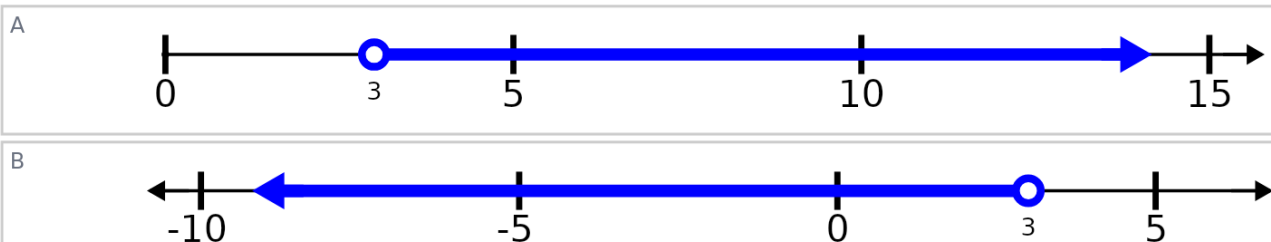
- 3 Which number line shows this inequality?

$$X \leq -4$$



- 4 Which number line shows this range?

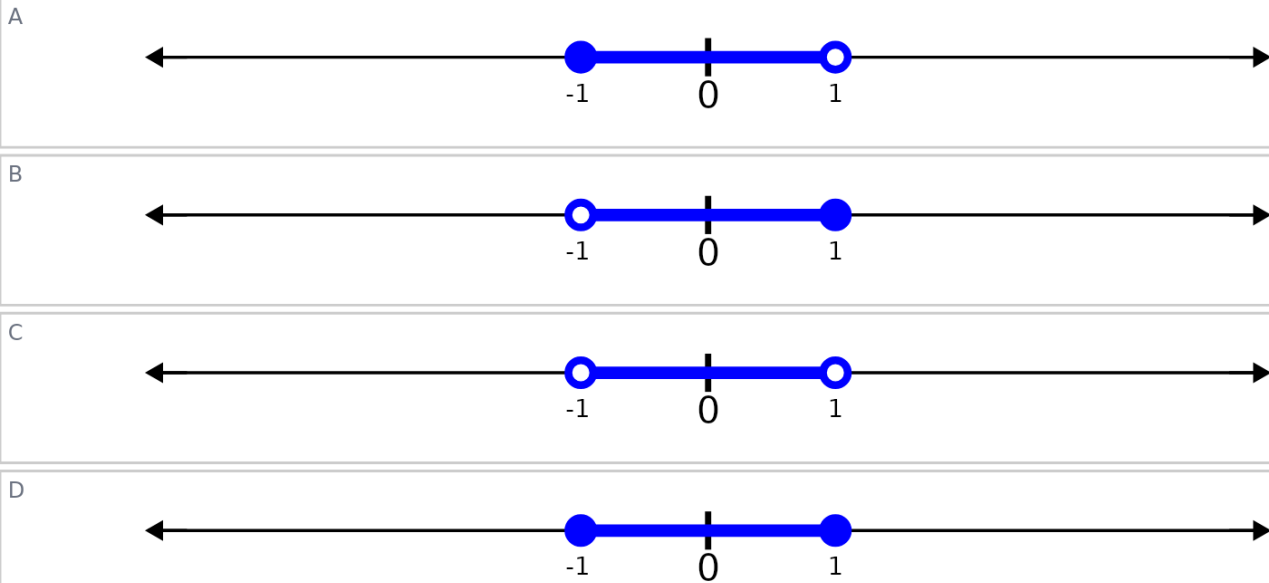
$$Y < 3$$





Equations and Inequalities

- 5 Which number line shows this inequality?
 $-1 \leq X \leq 1$



- 6 Solve the one-step equation for x.
 $x + 10 = 20$

A	$x = 9$
B	$x = 10$
C	$x = 12$
D	$x = 11$

- 7 Solve for the variable in the equation
 $p - 4 = -1$

A	$p = 5$	B	$p = 6$
C	$p = 3$	D	$p = 4$
E	$p = 1$	F	$p = 2$

- 8 Solve the one-step equation for x.
 $x + 3 = 18$

A	$x = 14$	B	$x = 15$
C	$x = 16$	D	$x = 17$

- 9 Solve for the variable in the equation
 $y - 2 = 5$

A	$y = 6$	B	$y = 8$
C	$y = 7$	D	$y = 9$
E	$y = 4$	F	$y = 10$



Equations and Inequalities

10 Solve for the variable in the equation

$$m - 6 = -2$$

A $m = 6$

B $m = 7$

C $m = 2$

D $m = 5$

E $m = 4$

F $m = 3$

11 Solve the one-step equation for x.

$$\frac{x}{5} = 9$$

A $x = 45$

B $x = 44$

C $x = 46$

D $x = 47$

12 Solve for the variable in the equation

$$3 \times m = 9$$

A $m = 4$

B $m = 5$

C $m = 6$

D $m = 3$

E $m = 0$

F $m = 1$

13 Solve for the variable in the equation

$$\frac{r}{7} = 7$$

A $r = 50$

B $r = 46$

C $r = 52$

D $r = 49$

E $r = 51$

F $r = 47$

14 Solve the one-step equation for x.

$$\frac{x}{6} = 12$$

A $x = 74$

B $x = 73$

C $x = 72$

D $x = 71$

15 Solve the one-step equation for x.

$$3x = 15$$

A $x = 4$

B $x = 7$

C $x = 5$

D $x = 6$

16 Solve the one-step equation for x.

$$5x = 40$$

A $x = 8$

B $x = 10$

C $x = 7$

D $x = 9$

17 Solve the one-step equation for x.

$$-10 + x = -8$$

A $x = 2$

B $x = 3$

C $x = 4$

D $x = 1$



Equations and Inequalities

- 18** Find the fraction that makes this equation correct

$$\_\_ - \frac{5}{9} = \frac{7}{9}$$

A $\frac{2}{9}$	B $1\frac{1}{3}$	C $\frac{2}{3}$
D $\frac{35}{81}$	E $\frac{4}{27}$	F 1

- 19** Find the fraction that makes this equation correct

$$\frac{2}{3} - \_\_ = \frac{2}{21}$$

A $\frac{5}{24}$	B $\frac{1}{12}$	C $\frac{1}{6}$
D $\frac{4}{7}$	E $\frac{4}{21}$	F $1\frac{1}{3}$

- 20** Find the fraction that makes this equation correct

$$2\frac{2}{11} - \_\_ = \frac{15}{22}$$

A $\frac{39}{242}$	B $\frac{17}{22}$	C $\frac{8}{11}$
D $1\frac{1}{2}$	E $\frac{13}{23}$	F $1\frac{59}{121}$

- 21** Solve the two-step equation for x.

$$12 + \frac{x}{2} = 18$$

A $x = 14$
B $x = 12$
C $x = 13$
D $x = 11$

- 22** Solve the two-step equation for x.

$$8x - 8 = 80$$

A $x = 11$
B $x = 10$
C $x = 12$
D $x = 13$

- 23** Solve the two-step equation for x.

$$\frac{x}{4} - 2 = -1$$

A $x = 3$	B $x = 4$
C $x = 6$	D $x = 5$

- 24** Solve the two-step equation for x.

$$\frac{x}{5} + 12 = 14$$

A $x = 12$
B $x = 10$
C $x = 9$
D $x = 11$

- 25** Solve the two-step equation for x.

$$\frac{x}{7} + 8 = 13$$

A $x = 35$	B $x = 34$
C $x = 36$	D $x = 37$

A cartoon character with an orange, round body and a smiling face. It has two black arms and legs. It is holding a large yellow pencil with a pink eraser. A long, thin, wavy line is drawn from the pencil tip, extending upwards and to the left.