

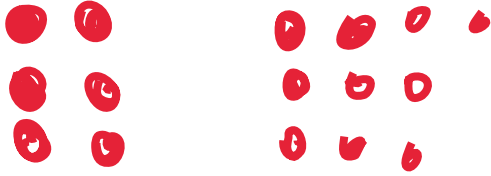
Name: _____

Date: _____

Practice: Adding Integers with the Same Sign

#1 Find the sum:

$$-6 + (-10) = \boxed{-16}$$



#2 Find the sum:

$$-45 + -19 = \boxed{-64}$$

$$\begin{array}{r} 45 \\ + 19 \\ \hline 64 \end{array}$$

#3 Find the sum:

$$-743 + (-212) = \boxed{-955}$$

$$\begin{array}{r} 743 \\ + 212 \\ \hline 955 \end{array}$$

#4 Find the sum:

$$-8 + (-39) = \boxed{-47}$$

$$\begin{array}{r} 39 \\ + 8 \\ \hline 47 \end{array}$$

#5 Find the sum:

$$\boxed{-2 + -13} + -3 = \boxed{-18}$$

-15

#6 Find the sum:

$$-23 + -89 + -234 = \boxed{-346}$$

$$\begin{array}{r} 23 \\ + 89 \\ \hline 112 \end{array} \quad \begin{array}{r} 112 \\ + 234 \\ \hline 346 \end{array}$$

#7 On Monday, Henry withdrew \$49 from his bank account. On Wednesday he withdrew \$78. How much did he withdraw in total?

$$-49 + (-78) = \boxed{-127}$$

integer

$$\begin{array}{r} 49 \\ + 78 \\ \hline 127 \end{array}$$

withdrew
\$127

WHEN THE SIGNS ARE DIFFERENT,
FIND THE DIFFERENCE.

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Practice: Adding Integers with Different Signs

#1 Find the sum:

$$6 + (-15) = \boxed{-9}$$

#2 Find the sum:

$$-90 + 27 = \boxed{-63}$$

$$\begin{array}{r} 90 \\ -27 \\ \hline 63 \end{array}$$

#3 Find the sum:

$$-697 + 220 = \boxed{-477}$$

$$\begin{array}{r} 697 \\ -220 \\ \hline 477 \end{array}$$

#4 Find the sum:

$$34 + -39 = \boxed{-5}$$

$$\begin{array}{r} 39 \\ -34 \\ \hline 5 \end{array}$$

#5 Find the sum:

$$\boxed{-12 + -89} + 2 =$$

$$\boxed{-101} + 2 = \boxed{-99}$$

$$\begin{array}{r} 12 \\ 89 \\ \hline 101 \end{array} \quad \begin{array}{r} 101 \\ -2 \\ \hline 99 \end{array}$$

#6 Find the sum:

$$\boxed{-56 + 92} + -14 =$$

$$\boxed{36} + -14 = \boxed{22}$$

$$\begin{array}{r} 92 \\ -56 \\ \hline 36 \end{array} \quad \begin{array}{r} 36 \\ -14 \\ \hline 22 \end{array}$$

#7 Samantha is playing a trivia game. She gets a few questions wrong and has -426 points. She answers a question correctly and gains 165 points. What is her current score?

$$-426 + 165 =$$

$$\boxed{-261}$$

$$\begin{array}{r} 426 \\ -165 \\ \hline 261 \end{array}$$

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Subtracting Integers

1. Opposites:

Numbers that are the same distance from zero, but in different directions.

2. To subtract two integers, add its opposite3. Keep the first number the same.4. Change subtraction to addition5. Change the sign of the second number.6. Simplify the expression.7. Find $-3 - 4$

<p>[Keep the first number] the same</p>	$\downarrow -3 - (4)$
<p>[Change subtraction to addition]</p>	$-3 + (-4)$
<p>[Change the sign of the second number]</p>	$-3 + (-4) = -7$

8. Find each difference:

$-(-) \Rightarrow \text{ADD!}$

$$\begin{array}{r} -10 - (13) = \\ \downarrow \quad \downarrow \quad \downarrow \\ -10 + (-13) \\ \boxed{-23} \end{array}$$

$$\begin{array}{r} 50 - (-32) = \\ \downarrow \quad \downarrow \quad \downarrow \\ 50 + 32 \\ \boxed{82} \end{array}$$

$$\begin{array}{r} 46 - (-24) = \\ \downarrow \quad \downarrow \quad \downarrow \\ 46 + 24 \\ \boxed{70} \end{array}$$

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Practice: Subtracting Integers

#1 Find the difference:

$$4 - (-18) =$$

#2 Find the difference:

:

$$87 - 96 =$$

#3 Find the difference:

$$-60 - (-87) =$$

#4 Find the difference:

$$190 - (-165) =$$

#5 Find the difference:

$$-56 - 30 + 12 =$$

#6 Find the difference:

$$-456 - 56 - (-178) =$$

#7 Contestant A has -560 points. Contestant B has 345 points. What is the difference between the two contestant's points?