Unit 3 Objective 4 Remediation

Adding Numbers with Like and Unlike Signs

Adding Integers with SAME SIGNS ➢ Add the numbers and keep the sign	Adding Integers with DIFFERENT SIGNS ➢ Subtract the absolute value of the numbers and keep the sign of the number with the largest absolute value
$3 + 2 = 5$	$(-3) + 7 = 4$
$-4 + (-6) = -10$	$1 + (-9) = -8$

For fractions:

Find a common denominator first then +/- the numerators and keep denominator the same.

Example: $\frac{1}{2} + -\frac{2}{3}$ $\frac{1\cdot3}{2\cdot3} + -\frac{2\cdot2}{3\cdot2}$ $\frac{3}{6} + -\frac{4}{6}$ $= -\frac{1}{6}$

For decimals:

Line up the decimal points to +/- $3.64 + -2.1$

3.64
-2.1
-5.74

DO NOT USE A CALCULATOR TO COMPLETE THIS REMEDIATION.

Try These

1. $7 + (-4) =$
2. $-6 + (-2) =$
3. $3 + (-2) =$
4. $-5 + (-1) =$
5. $-3 + (-4) =$
6. $10 + (-11) =$
7. $18 + (-37) =$
8. $3 + (-13) =$
9. $-30 + (-12) =$
10. $-45 + 20 =$
11. $-16 + 5 =$
12. $-4 + 10 =$

13. $-8 + (-14) =$

14. $-3.9 + (-5.6) =$

15. $7.8 + (-4.7) =$

16. $-3.6 + 12.2 =$

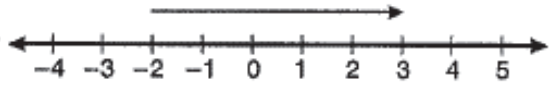
17. $\frac{2}{3} + \left(-\frac{1}{3}\right) =$

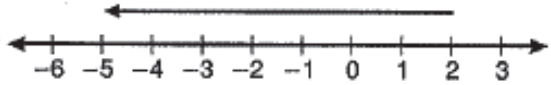
18. $-\frac{1}{5} + \left(-\frac{3}{5}\right) =$

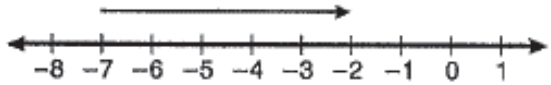
19. $-\frac{3}{8} + \left(-\frac{1}{4}\right) =$

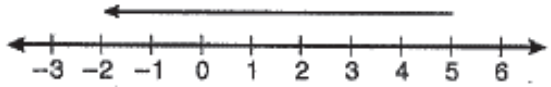
20. $\frac{1}{10} + \left(-\frac{7}{10}\right) =$

1 Write a number sentence for the arrow diagram.

a. 

b. 

c. 

d. 

U $2 + (-7) = -5$
C $5 + (-7) = -2$
Y $-2 + 5 = 3$
E $-2 + 7 = -5$
F $-7 + 5 = -2$

2 Find the sum.

a. $-2 + 9$
b. $3 + (-10)$
c. $-7 + (-4)$
d. $5 + (-13)$
e. $-5 + 38$
f. $-9 + (-44)$
g. $36 + 64$

H 33
V 100
L −7
R 45
K 7
M −8
Z −53
W −11

3 Find the sum.

a. $8 + (-5) + 12$
b. $-6 + (-9) + 2$
c. $-11 + 20 + (-1)$
d. $-7 + 3 + 17$
e. $13 + (-4) + (-9)$

T 13
O 0
J −13
A 11
S 15
P 8

4 Find the sum.

a. $-5 + (-6) + (-7)$
b. $18 + (-15) + 6$
c. $-10 + (-7) + 2$
d. $-16 + 5 + (-8)$
e. $-9 + 14 + 6$

N 9
T 13
M 11
K −19
L −18
V −15

5 Find the sum.

a. $3 + (-4) + 5 + (-6)$
b. $-10 + 7 + (-4) + 2$
c. $-16 + 5 + (-11) + (-8)$
d. $8 + 8 + (-20) + 9$
e. $-10 + (-1) + 2 + 17$

P 5
B −2
C 6
W −30
F 8
U −5

6 Evaluate if $w = -3$, $x = 10$, $y = -8$.

a. $w + x + y$
b. $-y + x$
c. $-w + (-x) + 2$
d. $x + y + (-7) + (-w)$
e. $y + 5 + (-y) + 12$

H −8
R 17
O 18
E −2
W −5
I −1