

YEAR 8 MATHEMATICS WEEK 3 2020 (TERM 2)

Year: 8

Date: Friday 5 June 2020

STRAND: NUMBERS

TOPIC: Directed Numbers

LESSON OUTCOME: At the end of this lesson student(s) should be able to add directed numbers.

Instructions: Hi dear Parents/Guardians and students - In this Lesson students are going to add directed numbers by doing the selected questions for **Exercise 2.5**.

*[Note that all the Quizzes/Test and or Assignment will be based on the selected questions for each exercise. These lessons are designed for **one hour per Lesson**.]*

What to do: Do the following selected questions

Exercise 2.5: Q1 (a, g, i); Q2 (d, h, i); Q3 (m, p, s)

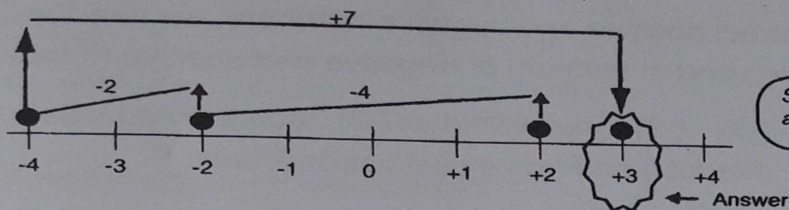
Solutions: Solutions will be available online via

<https://www.facebook.com/centralschoolemergencyforum/posts/108720557434149>

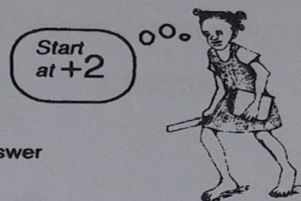
Adding More than Two Numbers

Example

Add +2, -4, -2 and +7



$$(+2) + (-4) + (-2) + (+7) = +3$$



EXERCISE 2.5

1. Use a number line to add the following:

a. $+3, +2, -4$

b. $-2, +5, +1$

c. $-4, +2, +5, -3$

d. $+1, -6, +2, -4$

e. $-3, +4, -1$

f. $+2, -6, +5, +3$

g. $-7, +5, +2, +3,$

h. $+5, -4, +1, +4$

i. $-2, -7, +8, +6,$

j. $-4, +12, -7, +2,$

2. Find these sums:

a. $-1 + +2 + -6$

b. $+9 + -5 + +2$

c. $+12 + -9 + -6 + +5$

d. $-6 + +2 + +8 + +1$

e. $-6 + -3 + +2$

f. $5 + +9 + -18$

g. $15 + -6 + -12$

h. $15 + (-6) + (-12)$

i. $6 + -2 + -3 + +3$

j. $-10 + +9 + +2 + 1$

3. Find these sums:

a. $+4 - -1 + +2 + +3$

b. $-2 + +2 + +2$

c. $-5 + -1 + +7 + +3$

d. $0 + -6 + +7 + +1$

e. $+8 + 0 + -7 + +3$

f. $10 + -8 + -1$

g. $-6 + +3 + +5 + -1$

h. $-4 + +2 + +7$

i. $9 + -7 + +8$

j. $+1 + -9 + +2 + -1$

k. $+1 + -5 + 0 + -7$

l. $7 + -6 + -3 + +4$

m. $+12 + -10 + +7 + -2$

n. $8 + -7 + +2 + +5$

o. $10 + +2 - -1 + +3$

p. $15 + -5 + -7 + +1$

q. $+2 + -6 + +7 + +1$

r. $15 + -5 + -7 + +1$

s. $+5 + -10 + +2 + +7$

t. $+2 + -6 + +7 + +1$