

MasterMath

Multiplying and Dividing Integers

Name _____

Date _____

1. Solve these problems:

Problem	Answer
6×5	30
$6(-5)$	-30
$14 \div (-7)$	-2
$(-22) \times (-2)$	44
$16 \div (-4)$	-4

Problem	Answer
$55 \div (-5)$	-11
$(-4) \div (-2)$	2
$(-12) \times 4$	-48
$16 \times (-2)$	-32
$14 \div (-7)$	-2

Problem	Answer
$25 \times (-4)$	-100
$16 \times (-1)$	-16
$8(-3)$	-24
$5 \div (-5)$	-1
$2 \times (-2)$	-4

2.

Lets assume that your car burns 2 gallon of gas every hour. What integer represents the change in the number of gallons of gas in your tank after driving 3 hours?

-6

3. Assume $a = -4$, $b = 2$, and $c = -5$. Solve these expressions:

expression	solution
$3a \times b$	-24
$-a \div b$	2

expression	solution
$a \times b \times c$	40
$(a \div b) \times c$	10

4. Your club had 12 members, but lost 5 members who moved away. Each member has to pay dues of \$5 per year. What integer expresses the change in your clubs annual dues receipts after loosing the 5 members?

-25

5. A scuba diver descends 80 feet in four minutes. What integer represents the divers rate of change in depth per minute?



-20

7. Find the next 2 numbers in the pattern: -5, 10, -20, 40, -80.....

160 -320

8. Two integers, a and b, have a product of 15. What is the least possible sum of a and b?

-16

9. Your sister is in college, and her college savings account balance has been going down each year as she pays for tuition, books, etc. What is the mean annual change in her savings account?

Year	Decrease in savings account
1st	-\$8,500
2nd	-\$6,500
3rd	-\$6,000

-1250