Station 1

1. What is the opposite of -7? Explain.

2. Find each result. Do not use a calculator.
   a. $12 \times 4 + (-8)$
   b. $12(4 + (-8))$
   c. $12 + 4(-8)$
   d. $12 + (-8) \times 4$
   e. $12 + (-8) + (-12)$
   f. $12 \times 4 + 12(-8)$

Station 2

3. Find each product. Do not use a calculator.

a. 12×27

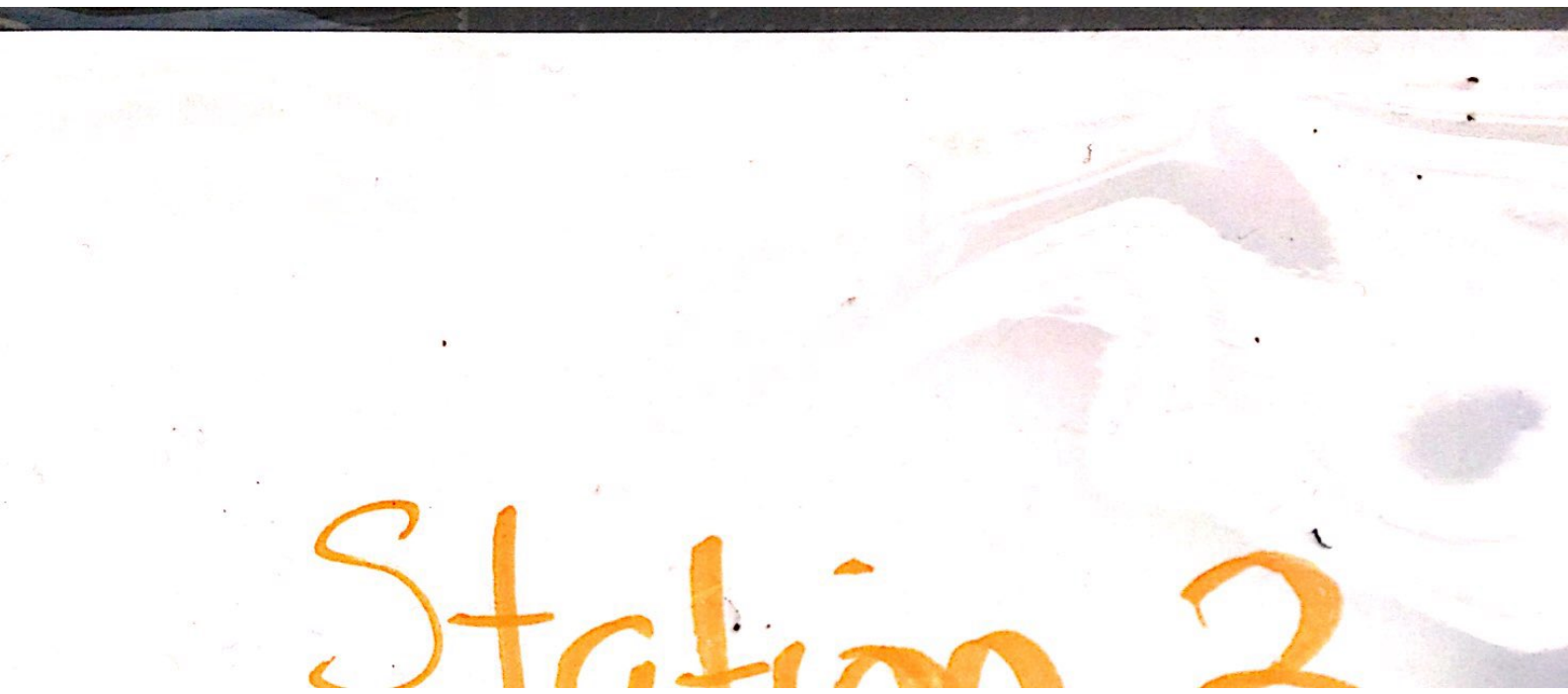
b. $(-12) \times 27$

c. $12 \times (-27)$

d. $(-12) \times (-27)$

e. $-(12 \times 27)$

f. $(-27) \times (-12)$



Station 4

1. Complete each statement with the word *positive* or *negative*.
   a. The product of a positive number and a negative number is always _____.
   b. The product of two positive numbers is always _____
   c. The product of a negative number and a _____ number is always positive.

Station 5

3. Determine whether each statement is true or false. Explain.

a. The sum of two negative integers is always negative.

b. The sum of a positive integer and a negative integer is always positive.

Station 6

2. Decide whether each of the following equations are true.

a. $36 + (-5) \stackrel{?}{=} 36 - (-5)$

b. $127 - (3) \stackrel{?}{=} 127 - 3$

c. $42 + (22) \stackrel{?}{=} 42 - (-22)$

d. $908 - (34 - 12) \stackrel{?}{=} 908 + 34 - 12$

e. $264 - (-75 + 61) \stackrel{?}{=} 264 + 75 - 61$

Station 7

1. Calculate each sum. Do not use a calculator.

a. $6 + (-4)$

b. $10 + (-4)$

c. $(-5) + (-7)$

d. $(-7) + (-9)$

e. $10 + (-10)$

f. $(-11) + (-8)$

g. $2 + (-8)$

h. $(-6) + 10$

Station 8

6. Find each difference. Do not use a calculator. Then record the last digit of the difference.

a. $27 - 5$ **b.** $27 - 15$ **c.** $27 - 25$

d. $27 - 35$ **e.** $27 - 45$ **f.** $27 - 55$

g. Identify a pattern in the last digit of the difference.

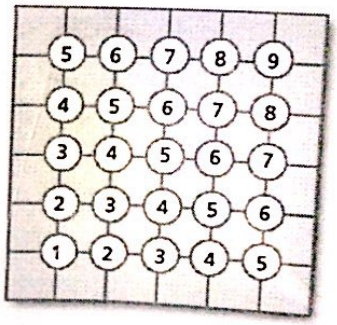
Station 9

4. Find each difference. Do not use a calculator.
   a. $110 - 25$
   b. $25 - 110$
   c. $365 - 52$
   d. $52 - 365$
5. The result of a subtraction problem is 27. What is the result if you reverse the terms in the problem?

Station 10

For Exercises 1–3, use the part of the addition table shown.

1. Circle one column of sums.
2. For each sum in the column, find the value to the right one column and down one row. Circle these values.
3. How do the two columns of entries compare? Explain.



Stations - Answers

27
12
54
270
324

① 07

② 40 -48 -20 -20 -8 -48 ...

② 324 -324 -324 324 -324 324

③ 6+6=12 6·6=36 6 and 6

④ Negative positive positive

⑤ True False(sometimes)

⑥ F T T T F

⑦ 2 6 -12 -16 0 -19 -6 4

⑧ ⑥ 22 12 2 -8 -18 -28

⑨ ④ 85 -85 313 -313

⑤ 28-1=27 1-28=-27

⑩ ~~1.~~ 54321

~~2.~~ 54321

3. Same