Properties of Addition

1. Circle the addition property that shows that numbers can be added in any order.

a. 20 + 7 | 7 + 20 | 10 + 17 | 25 + 2

1) magic of order
2) magic of one
3) magic of zero

b. 4 + 8 | 6 + 6 | 5 + 7 | 8 + 4

1) magic of order
2) magic of one
3) magic of zero

c. 6 + 9 | 9 + 6 | 10 + 5 | 8 + 7

1) magic of order
2) magic of one
3) magic of zero

d. 9 + 8 | 8 + 9 | 10 + 7 | 11 + 6

1) magic of order
2) magic of one
3) magic of zero

e. 12 + 15 | 14 + 13 | 15 + 12 | 10 + 17

1) magic of order
2) magic of one
3) magic of zero

2. Fill in the missing numbers.

a. 43 + 22 =_____ +43

b. 30 +_____= 14 + 30

c. _____ + _____= 17 + 21

d. 57+ 21 =_____+ 21

e. 63 + 15 =_____+_____

f. 16 + 0 = _____

g. 18 + 1 = _____

h. 27 + 0 = _____

i. 58 + 0 = _____

3. Use the commutative property of addition to describe if the problems are equal or not equal. Put the sign = or ≠.

a. 12 + 6 ☐ 6 + 21

b. 29 + 45 ☐ 45 + 29

c. 33 + 14 ☐ 41 + 33

d. 76 + 10 ☐ 10 + 67

e. 52 + 27 ☐ 72 + 25