

Name: _____

Math is Gold

Date: _____

Topic: Commutative and associative properties.

(id:basics_comm_assoc_B.1)

Title: Identify the property as commutative(C) or associative(A)

1) $4.(a.b) = (4.a).b$ _____

2) $(4 + 7) + 10 = 10 + (4 + 7)$ _____

3) $(2 + a) + b = 2 + (a + b)$ _____

4) $(8 + 9) + 1 = 8 + (9 + 1)$ _____

5) $11 + 10 = 10 + 11$ _____

6) $(2.b).c = 2.(b.c)$ _____

7) $a.5 = 5.a$ _____

8) $5.(x.y) = (x.y).5$ _____

9) $(m + n) + 7 = m + (n + 7)$ _____

10) $5 + (7 + 2) = (7 + 2) + 5$ _____

11) $(3a + 4b) + 5 = 5 + (3a + 4b)$ _____

12) $(2 \times 3) = 3 \times 2$ _____

13) $a + 6 = 6 + a$ _____

14) $6.(m.n) = (6.m).n$ _____

15) $(7.j).k = k.(7.j)$ _____

16) $(2 + 3) + 11 = (3 + 2) + 11$ _____

17) $(9 + c) + d = (c + 9) + d$ _____

18) $9 + (7 + 4) = 9 + (4 + 7)$ _____

19) $x + (y + z) = x + (z + y)$ _____

20) $x.y = y.x$ _____