Determine which choice best shows the distributive property of multiplication.

1) A. $6 \times(10+7)=(6 \times 10)+(6 \times 7)$
B. $6 \times(10 \times 7)=(6 \times 10) \times 7$
C. $1 \times 6=6$
D. $6 \times 10=10 \times 6$
2) A. $8 \times 1=1 \times 8$
B. $8 \times(1+9)=(8 \times 1)+(8 \times 9)$
C. $8 \times(1 \times 9)=(8 \times 1) \times 9$
D. $1 \times 8=8$
3) A. $(6 \times 5) \times 2=6 \times(5 \times 2)$
B. $6 \times 1=6$
C. $6 \times 5=5 \times 6$
D. $(6 \times 5)+(6 \times 2)=6 \times(5+2)$
4) A. $7 \times 4=4 \times 7$
B. $1 \times 7=7$
C. $7 \times(4 \times 1)=(7 \times 4) \times 1$
D. $7 \times(4+1)=(7 \times 4)+(7 \times 1)$
5) A. $4 \times 1=4$
B. $(4 \times 9) \times 2=4 \times(9 \times 2)$
C. $4 \times 9=9 \times 4$
D. $(4 \times 9)+(4 \times 2)=4 \times(9+2)$
6) A. $(9 \times 2)+(9 \times 7)=9 \times(2+7)$
B. $9 \times 1=9$
C. $(8 \times 9) \times 6=8 \times(9 \times 6)$
C. $9 \times 2=2 \times 9$
D. $(9 \times 2) \times 7=9 \times(2 \times 7)$
7) A. $(8 \times 7)+(8 \times 4)=8 \times(7+4)$
B. $8 \times 1=8$
B. $1 \times 0=0$
C. $(8 \times 7) \times 4=8 \times(7 \times 4)$
D. $8 \times 7=7 \times 8$
8) A. $(3 \times 2) \times 4=3 \times(2 \times 4)$
B. $3 \times 2=2 \times 3$
9) A. $1 \times 1=1$
B. $1 \times 2=2 \times 1$
C. $1 \times(2+0)=(1 \times 2)+(1 \times 0)$
D. $(3 \times 2)+(3 \times 4)=3 \times(2+4)$
D. $1 \times(2 \times 0)=(1 \times 2) \times 0$

Determine which choice best shows the distributive property of multiplication.
Answers

1) A. $6 \times(10+7)=(6 \times 10)+(6 \times 7)$
2) A. $4 \times(10 \times 3)=(4 \times 10) \times 3$
B. $6 \times(10 \times 7)=(6 \times 10) \times 7$
B. $4 \times 10=10 \times 4$
C. $1 \times 6=6$
C. $4 \times(10+3)=(4 \times 10)+(4 \times 3)$
D. $6 \times 10=10 \times 6$
D. $1 \times 4=4$
3) A. $8 \times 1=1 \times 8$
B. $8 \times(1+9)=(8 \times 1)+(8 \times 9)$
4) A. $4 \times 1=4$
B. $(4 \times 9) \times 2=4 \times(9 \times 2)$
C. $4 \times 9=9 \times 4$
C. $8 \times(1 \times 9)=(8 \times 1) \times 9$
D. $(4 \times 9)+(4 \times 2)=4 \times(9+2)$
5) A. $(6 \times 5) \times 2=6 \times(5 \times 2)$
B. $6 \times 1=6$
C. $6 \times 5=5 \times 6$
6) A. $7 \times 4=4 \times 7$
B. $1 \times 7=7$
D. $(6 \times 5)+(6 \times 2)=6 \times(5+2)$
C. $7 \times(4 \times 1)=(7 \times 4) \times 1$
D. $7 \times(4+1)=(7 \times 4)+(7 \times 1)$
7) A. $8 \times 1=8$
B. $(8 \times 9)+(8 \times 6)=8 \times(9+6)$
8) A. $(9 \times 2)+(9 \times 7)=9 \times(2+7)$
B. $9 \times 1=9$
C. $(8 \times 9) \times 6=8 \times(9 \times 6)$
C. $9 \times 2=2 \times 9$
D. $8 \times 9=9 \times 8$
D. $(9 \times 2) \times 7=9 \times(2 \times 7)$
9) A. $0 \times(10 \times 8)=(0 \times 10) \times 8$
B. $1 \times 0=0$
10) A. $(8 \times 7)+(8 \times 4)=8 \times(7+4)$
C. $0 \times(10+8)=(0 \times 10)+(0 \times 8)$
B. $8 \times 1=8$
D. $0 \times 10=10 \times 0$
C. $(8 \times 7) \times 4=8 \times(7 \times 4)$
D. $8 \times 7=7 \times 8$
11) A. $(3 \times 2) \times 4=3 \times(2 \times 4)$
12) A. $1 \times 1=1$
B. $3 \times 2=2 \times 3$
B. $1 \times 2=2 \times 1$
C. $3 \times 1=3$
C. $1 \times(2+0)=(1 \times 2)+(1 \times 0)$
D. $(3 \times 2)+(3 \times 4)=3 \times(2+4)$
D. $1 \times(2 \times 0)=(1 \times 2) \times 0$
