Determine which choice best shows the identity property of multiplication.

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

Answers

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

Determine which choice best shows the identity property of multiplication.

1) A. $4 \times(2+5)=(4 \times 2)+(4 \times 5)$
B. $4 \times 2=2 \times 4$
C. $4 \times(2 \times 5)=(4 \times 2) \times 5$
D. $1 \times 4=4$
2) A. $0 \times(9 \times 3)=(0 \times 9) \times 3$
B. $0 \times(9+3)=(0 \times 9)+(0 \times 3)$
C. $1 \times 0=0$
D. $0 \times 9=9 \times 0$
3) A. $(7 \times 6) \times 1=7 \times(6 \times 1)$
4) A. $10 \times 9=9 \times 10$
B. $7 \times 1=7$
C. $(7 \times 6)+(7 \times 1)=7 \times(6+1)$
D. $7 \times 6=6 \times 7$
B. $(10 \times 9)+(10 \times 6)=10 \times(9+6)$
C. $(10 \times 9) \times 6=10 \times(9 \times 6)$
D. $10 \times 1=10$
5) A. $1 \times 5=5$
B. $5 \times(7 \times 10)=(5 \times 7) \times 10$
C. $5 \times(7+10)=(5 \times 7)+(5 \times 10)$
D. $5 \times 7=7 \times 5$
6) A. $(4 \times 10) \times 2=4 \times(10 \times 2)$
B. $(4 \times 10)+(4 \times 2)=4 \times(10+2)$
C. $4 \times 10=10 \times 4$
D. $4 \times 1=4$
7) A. $(6 \times 0) \times 5=6 \times(0 \times 5)$
B. $6 \times 1=6$
C. $6 \times 0=0 \times 6$
D. $(6 \times 0)+(6 \times 5)=6 \times(0+5)$
1. $\mathbf{D}$
2. $\qquad$
3. $\qquad$
4. 
```
D
```

5. $\mathbf{A}$
6. 


7. $\qquad$
8.

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

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

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

Determine which choice best shows the identity property of multiplication.

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


7. B
8. $\mathbf{C}$
9. $\mathbf{A}$
10. $\qquad$
11. $\qquad$
12. $\qquad$

Determine which choice best shows the identity property of multiplication.

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

Determine which choice best shows the identity property of multiplication.

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

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

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

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

## Determine which choice best shows the identity property of multiplication.

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

1. $\mathbf{A}$
2. $\mathbf{A}$
3. $\qquad$
4. C
5. C
6. 


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

## Determine which choice best shows the identity property of multiplication.

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

## Determine which choice best shows the identity property of multiplication.

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

5
D
6.

7. C
8.

## D

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

Determine which choice best shows the identity property of multiplication.

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

Determine which choice best shows the identity property of multiplication.

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

Determine which choice best shows the identity property of multiplication.

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

Determine which choice best shows the identity property of multiplication.

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

## Determine which choice best shows the identity property of multiplication.

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

## Determine which choice best shows the identity property of multiplication.

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

Determine which choice best shows the identity property of multiplication.

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

Determine which choice best shows the identity property of multiplication.

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

## 1. <br> D

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

## Determine which choice best shows the identity property of multiplication.

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

## Determine which choice best shows the identity property of multiplication.

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

1. $\mathbf{A}$
2. $\mathbf{A}$
3. $\qquad$
4. C
5. B
6. $\qquad$
7. $\qquad$
8. 

## D

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