



Match each expression on the left to the equivalent expression on the right.

Answers

1) $16NXP$

A. $4NX \times 4P$

1. _____

2) $3 \times 5 \times 2 \times N \times X$

B. $(2N)(2X)$

2. _____

3) $9NXP$

C. $(4N)(2)$

3. _____

4) $3N \times 2X$

D. $20NXP$

4. _____

5) $4NX$

E. $6NX$

5. _____

6) $20NX$

F. $(4NX)(2)$

6. _____

7) $8NX$

G. $5 \times 3 \times 5 \times 3 \times N$

7. _____

8) $20N$

H. $30NX$

8. _____

9) $8N$

I. $40N$

9. _____

10) $2 \times 4 \times 5 \times N$

J. $3 \times 3 \times N \times X \times P$

10. _____

11) $(3N)(4X)(3P)$

K. $5 \times 4 \times N$

11. _____

12) $(4NX)(5P)$

L. $5 \times 4 \times N \times X$

12. _____

13) $225N$

M. $36NXP$

13. _____



Match each expression on the left to the equivalent expression on the right.

Answers

| | | |
|--|--|---------------------|
| 1) $16NXP$ | A. $4NX \times 4P$ | 1. <u>A</u> |
| 2) $3 \times 5 \times 2 \times N \times X$ | B. $(2N)(2X)$ | 2. <u>H</u> |
| 3) $9NXP$ | C. $(4N)(2)$ | 3. <u>J</u> |
| 4) $3N \times 2X$ | D. $20NXP$ | 4. <u>E</u> |
| 5) $4NX$ | E. $6NX$ | 5. <u>B</u> |
| 6) $20NX$ | F. $(4NX)(2)$ | 6. <u>L</u> |
| 7) $8NX$ | G. $5 \times 3 \times 5 \times 3 \times N$ | 7. <u>F</u> |
| 8) $20N$ | H. $30NX$ | 8. <u>K</u> |
| 9) $8N$ | I. $40N$ | 9. <u>C</u> |
| 10) $2 \times 4 \times 5 \times N$ | J. $3 \times 3 \times N \times X \times P$ | 10. <u>I</u> |
| 11) $(3N)(4X)(3P)$ | K. $5 \times 4 \times N$ | 11. <u>M</u> |
| 12) $(4NX)(5P)$ | L. $5 \times 4 \times N \times X$ | 12. <u>D</u> |
| 13) $225N$ | M. $36NXP$ | 13. <u>G</u> |



Match each expression on the left to the equivalent expression on the right.

Answers

1) $12QXI$

A. $5Q \times 4X$

1. _____

2) $3 \times 4 \times 4 \times 2 \times Q$

B. $96Q$

2. _____

3) $4Q$

C. $80Q$

3. _____

4) $4 \times 4 \times 5 \times Q$

D. $(2QX)(5)$

4. _____

5) $15Q$

E. $(4QX)(4I)$

5. _____

6) $12QX$

F. $3 \times 3 \times Q \times X \times I$

6. _____

7) $10QX$

G. $9QX$

7. _____

8) $16QXI$

H. $(3Q)(5)$

8. _____

9) $(3Q)(3X)$

I. $(2Q)(2X)(3I)$

9. _____

10) $5 \times 3 \times Q \times X$

J. $15QX$

10. _____

11) $9QXI$

K. $3QX \times 5I$

11. _____

12) $15QXI$

L. $2 \times 2 \times Q$

12. _____

13) $20QX$

M. $2 \times 2 \times 3 \times Q \times X$

13. _____



Match each expression on the left to the equivalent expression on the right.

Answers

| | | |
|--|--|--------------|
| 1) $12QXI$ | A. $5Q \times 4X$ | 1. <u>I</u> |
| 2) $3 \times 4 \times 4 \times 2 \times Q$ | B. $96Q$ | 2. <u>B</u> |
| 3) $4Q$ | C. $80Q$ | 3. <u>L</u> |
| 4) $4 \times 4 \times 5 \times Q$ | D. $(2QX)(5)$ | 4. <u>C</u> |
| 5) $15Q$ | E. $(4QX)(4I)$ | 5. <u>H</u> |
| 6) $12QX$ | F. $3 \times 3 \times Q \times X \times I$ | 6. <u>M</u> |
| 7) $10QX$ | G. $9QX$ | 7. <u>D</u> |
| 8) $16QXI$ | H. $(3Q)(5)$ | 8. <u>E</u> |
| 9) $(3Q)(3X)$ | I. $(2Q)(2X)(3I)$ | 9. <u>G</u> |
| 10) $5 \times 3 \times Q \times X$ | J. $15QX$ | 10. <u>J</u> |
| 11) $9QXI$ | K. $3QX \times 5I$ | 11. <u>F</u> |
| 12) $15QXI$ | L. $2 \times 2 \times Q$ | 12. <u>K</u> |
| 13) $20QX$ | M. $2 \times 2 \times 3 \times Q \times X$ | 13. <u>A</u> |



Match each expression on the left to the equivalent expression on the right.

Answers

1) $(5FE)(5X)$

A. $4 \times 5 \times F \times E$

1. _____

2) $(2FE)(3)$

B. $5 \times 3 \times F \times E \times X$

2. _____

3) $5 \times 5 \times F$

C. $3F \times 2E$

3. _____

4) $6FE$

D. $25FEX$

4. _____

5) $12F$

E. $(4F)(4E)$

5. _____

6) $5FE \times 5X$

F. $25F$

6. _____

7) $16FE$

G. $5 \times 3 \times 4 \times F$

7. _____

8) $45FE$

H. $6FE$

8. _____

9) $20FE$

I. $5 \times 3 \times 3 \times F \times E$

9. _____

10) $15FEX$

J. $240F$

10. _____

11) $45FEX$

K. $(5F)(3E)(3X)$

11. _____

12) $3 \times 4 \times 5 \times 4 \times F$

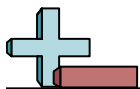
L. $(4F)(3)$

12. _____

13) $60F$

M. $25FEX$

13. _____



Match each expression on the left to the equivalent expression on the right.

Answers

| | | |
|---|--|-----------------------------|
| 1) $(5FE)(5X)$ | A. $4 \times 5 \times F \times E$ | 1. <u> M </u> |
| 2) $(2FE)(3)$ | B. $5 \times 3 \times F \times E \times X$ | 2. <u> H </u> |
| 3) $5 \times 5 \times F$ | C. $3F \times 2E$ | 3. <u> F </u> |
| 4) $6FE$ | D. $25FEX$ | 4. <u> C </u> |
| 5) $12F$ | E. $(4F)(4E)$ | 5. <u> L </u> |
| 6) $5FE \times 5X$ | F. $25F$ | 6. <u> D </u> |
| 7) $16FE$ | G. $5 \times 3 \times 4 \times F$ | 7. <u> E </u> |
| 8) $45FE$ | H. $6FE$ | 8. <u> I </u> |
| 9) $20FE$ | I. $5 \times 3 \times 3 \times F \times E$ | 9. <u> A </u> |
| 10) $15FEX$ | J. $240F$ | 10. <u> B </u> |
| 11) $45FEX$ | K. $(5F)(3E)(3X)$ | 11. <u> K </u> |
| 12) $3 \times 4 \times 5 \times 4 \times F$ | L. $(4F)(3)$ | 12. <u> J </u> |
| 13) $60F$ | M. $25FEX$ | 13. <u> G </u> |



Match each expression on the left to the equivalent expression on the right.

Answers

1) $5MH \times 5S$

A. $4M \times 5H$

1. _____

2) $20MH$

B. $12MH$

2. _____

3) $(5M)(4)$

C. $20MHS$

3. _____

4) $(3M)(4H)$

D. $25MH$

4. _____

5) $5 \times 4 \times M \times H \times S$

E. $15MHS$

5. _____

6) $10M$

F. $300M$

6. _____

7) $(3MH)(5S)$

G. $5 \times 5 \times 4 \times M$

7. _____

8) $5 \times 5 \times M \times H$

H. $2 \times 5 \times M$

8. _____

9) $75MH$

I. $25MHS$

9. _____

10) $48MHS$

J. $(4M)(3H)(4S)$

10. _____

11) $(5MH)(5)$

K. $25MH$

11. _____

12) $4 \times 5 \times 3 \times 5 \times M$

L. $3 \times 5 \times 5 \times M \times H$

12. _____

13) $100M$

M. $20M$

13. _____



Match each expression on the left to the equivalent expression on the right.

Answers

| | | |
|---|--|--------------|
| 1) $5MH \times 5S$ | A. $4M \times 5H$ | 1. <u>I</u> |
| 2) $20MH$ | B. $12MH$ | 2. <u>A</u> |
| 3) $(5M)(4)$ | C. $20MHS$ | 3. <u>M</u> |
| 4) $(3M)(4H)$ | D. $25MH$ | 4. <u>B</u> |
| 5) $5 \times 4 \times M \times H \times S$ | E. $15MHS$ | 5. <u>C</u> |
| 6) $10M$ | F. $300M$ | 6. <u>H</u> |
| 7) $(3MH)(5S)$ | G. $5 \times 5 \times 4 \times M$ | 7. <u>E</u> |
| 8) $5 \times 5 \times M \times H$ | H. $2 \times 5 \times M$ | 8. <u>D</u> |
| 9) $75MH$ | I. $25MHS$ | 9. <u>L</u> |
| 10) $48MHS$ | J. $(4M)(3H)(4S)$ | 10. <u>J</u> |
| 11) $(5MH)(5)$ | K. $25MH$ | 11. <u>K</u> |
| 12) $4 \times 5 \times 3 \times 5 \times M$ | L. $3 \times 5 \times 5 \times M \times H$ | 12. <u>F</u> |
| 13) $100M$ | M. $20M$ | 13. <u>G</u> |



Match each expression on the left to the equivalent expression on the right.

Answers

1) $36L$

A. $3 \times 3 \times 4 \times L$

1. _____

2) $10LIO$

B. $30LI$

2. _____

3) $12LIO$

C. $12LI$

3. _____

4) $(3L)(4I)$

D. $5 \times 3 \times L$

4. _____

5) $(4L)(5I)(2O)$

E. $(4LI)(3O)$

5. _____

6) $120L$

F. $(2L)(5)$

6. _____

7) $12LI$

G. $(5LI)(5)$

7. _____

8) $25LI$

H. $2 \times 4 \times 3 \times 5 \times L$

8. _____

9) $15LIO$

I. $25LI$

9. _____

10) $15L$

J. $40LIO$

10. _____

11) $10L$

K. $5 \times 3 \times L \times I \times O$

11. _____

12) $2 \times 3 \times 5 \times L \times I$

L. $5LI \times 2O$

12. _____

13) $5L \times 5I$

M. $4 \times 3 \times L \times I$

13. _____

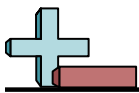


Match each expression on the left to the equivalent expression on the right.

- | | |
|---|--|
| 1) 36L | A. $3 \times 3 \times 4 \times L$ |
| 2) 10LIO | B. 30LI |
| 3) 12LIO | C. 12LI |
| 4) (3L)(4I) | D. $5 \times 3 \times L$ |
| 5) (4L)(5I)(2O) | E. (4LI)(3O) |
| 6) 120L | F. (2L)(5) |
| 7) 12LI | G. (5LI)(5) |
| 8) 25LI | H. $2 \times 4 \times 3 \times 5 \times L$ |
| 9) 15LIO | I. 25LI |
| 10) 15L | J. 40LIO |
| 11) 10L | K. $5 \times 3 \times L \times I \times O$ |
| 12) $2 \times 3 \times 5 \times L \times I$ | L. $5LI \times 2O$ |
| 13) $5L \times 5I$ | M. $4 \times 3 \times L \times I$ |

Answers

1. **A**
2. **L**
3. **E**
4. **C**
5. **J**
6. **H**
7. **M**
8. **G**
9. **K**
10. **D**
11. **F**
12. **B**
13. **I**



Match each expression on the left to the equivalent expression on the right.

Answers

1) $3 \times 4 \times 4 \times 5 \times V$

A. $10V$

1. _____

2) $(5V)(2)$

B. $240V$

2. _____

3) $60VLP$

C. $(3V)(5L)(4P)$

3. _____

4) $4VL$

D. $18VL$

4. _____

5) $3 \times 2 \times 3 \times V \times L$

E. $2 \times 3 \times V \times L \times P$

5. _____

6) $20VLP$

F. $5 \times 2 \times V \times L$

6. _____

7) $5 \times 4 \times 5 \times V$

G. $100V$

7. _____

8) $6VLP$

H. $12VL$

8. _____

9) $5VL \times 3P$

I. $15VLP$

9. _____

10) $(3V)(4L)$

J. $12VL$

10. _____

11) $10VL$

K. $10V$

11. _____

12) $4V \times 3L$

L. $(5VL)(4P)$

12. _____

13) $2 \times 5 \times V$

M. $(2VL)(2)$

13. _____



Match each expression on the left to the equivalent expression on the right.

1) $3 \times 4 \times 4 \times 5 \times V$

A. $10V$

2) $(5V)(2)$

B. $240V$

3) $60VLP$

C. $(3V)(5L)(4P)$

4) $4VL$

D. $18VL$

5) $3 \times 2 \times 3 \times V \times L$

E. $2 \times 3 \times V \times L \times P$

6) $20VLP$

F. $5 \times 2 \times V \times L$

7) $5 \times 4 \times 5 \times V$

G. $100V$

8) $6VLP$

H. $12VL$

9) $5VL \times 3P$

I. $15VLP$

10) $(3V)(4L)$

J. $12VL$

11) $10VL$

K. $10V$

12) $4V \times 3L$

L. $(5VL)(4P)$

13) $2 \times 5 \times V$

M. $(2VL)(2)$

Answers

1. **B**

2. **K**

3. **C**

4. **M**

5. **D**

6. **L**

7. **G**

8. **E**

9. **I**

10. **J**

11. **F**

12. **H**

13. **A**



Match each expression on the left to the equivalent expression on the right.

Answers

1) $4LK$

A. $3 \times 4 \times 4 \times L \times K$

1. _____

2) $4L \times 4K$

B. $4 \times 2 \times 4 \times 3 \times L$

2. _____

3) $15LKC$

C. $5LK \times 5C$

3. _____

4) $(3L)(2K)(2C)$

D. $20LK$

4. _____

5) $(5LK)(4)$

E. $2 \times 2 \times L \times K$

5. _____

6) $4LK$

F. $16LK$

6. _____

7) $25LKC$

G. $12LKC$

7. _____

8) $48LK$

H. $4 \times 2 \times 3 \times L$

8. _____

9) $(2LK)(3C)$

I. $(2L)(2K)$

9. _____

10) $24L$

J. $(5L)(4)$

10. _____

11) $20L$

K. $4 \times 3 \times L$

11. _____

12) $12L$

L. $5 \times 3 \times L \times K \times C$

12. _____

13) $96L$

M. $6LKC$

13. _____



Match each expression on the left to the equivalent expression on the right.

Answers

| | | |
|-------------------|--|--------------|
| 1) $4LK$ | A. $3 \times 4 \times 4 \times L \times K$ | 1. <u>I</u> |
| 2) $4L \times 4K$ | B. $4 \times 2 \times 4 \times 3 \times L$ | 2. <u>F</u> |
| 3) $15LKC$ | C. $5LK \times 5C$ | 3. <u>L</u> |
| 4) $(3L)(2K)(2C)$ | D. $20LK$ | 4. <u>G</u> |
| 5) $(5LK)(4)$ | E. $2 \times 2 \times L \times K$ | 5. <u>D</u> |
| 6) $4LK$ | F. $16LK$ | 6. <u>E</u> |
| 7) $25LKC$ | G. $12LKC$ | 7. <u>C</u> |
| 8) $48LK$ | H. $4 \times 2 \times 3 \times L$ | 8. <u>A</u> |
| 9) $(2LK)(3C)$ | I. $(2L)(2K)$ | 9. <u>M</u> |
| 10) $24L$ | J. $(5L)(4)$ | 10. <u>H</u> |
| 11) $20L$ | K. $4 \times 3 \times L$ | 11. <u>J</u> |
| 12) $12L$ | L. $5 \times 3 \times L \times K \times C$ | 12. <u>K</u> |
| 13) $96L$ | M. $6LKC$ | 13. <u>B</u> |



Match each expression on the left to the equivalent expression on the right.

Answers

1) $12UE$

A. $8U$

1. _____

2) $2 \times 3 \times 2 \times 5 \times U$

B. $8UE$

2. _____

3) $15UEA$

C. $20U$

3. _____

4) $8UEA$

D. $16UE$

4. _____

5) $40U$

E. $(5UE)(3A)$

5. _____

6) $4 \times 4 \times U \times E$

F. $24UE$

6. _____

7) $3 \times 4 \times 2 \times U \times E$

G. $16UEA$

7. _____

8) $(2U)(4E)(2A)$

H. $60U$

8. _____

9) $25UE$

I. $(3UE)(4)$

9. _____

10) $6UEA$

J. $5 \times 4 \times 2 \times U$

10. _____

11) $5 \times 4 \times U$

K. $2UE \times 3A$

11. _____

12) $2U \times 4E$

L. $4 \times 2 \times U \times E \times A$

12. _____

13) $(2U)(4)$

M. $(5U)(5E)$

13. _____



Match each expression on the left to the equivalent expression on the right.

Answers

| | | |
|--|--|--------------|
| 1) $12UE$ | A. $8U$ | 1. <u>I</u> |
| 2) $2 \times 3 \times 2 \times 5 \times U$ | B. $8UE$ | 2. <u>H</u> |
| 3) $15UEA$ | C. $20U$ | 3. <u>E</u> |
| 4) $8UEA$ | D. $16UE$ | 4. <u>L</u> |
| 5) $40U$ | E. $(5UE)(3A)$ | 5. <u>J</u> |
| 6) $4 \times 4 \times U \times E$ | F. $24UE$ | 6. <u>D</u> |
| 7) $3 \times 4 \times 2 \times U \times E$ | G. $16UEA$ | 7. <u>F</u> |
| 8) $(2U)(4E)(2A)$ | H. $60U$ | 8. <u>G</u> |
| 9) $25UE$ | I. $(3UE)(4)$ | 9. <u>M</u> |
| 10) $6UEA$ | J. $5 \times 4 \times 2 \times U$ | 10. <u>K</u> |
| 11) $5 \times 4 \times U$ | K. $2UE \times 3A$ | 11. <u>C</u> |
| 12) $2U \times 4E$ | L. $4 \times 2 \times U \times E \times A$ | 12. <u>B</u> |
| 13) $(2U)(4)$ | M. $(5U)(5E)$ | 13. <u>A</u> |



Match each expression on the left to the equivalent expression on the right.

Answers

1) $(5IR)(2)$

A. $(5I)(2R)$

1. _____

2) $8I$

B. $(4IR)(5V)$

2. _____

3) $20IRV$

C. $(4I)(2)$

3. _____

4) $25IR$

D. $2 \times 4 \times 3 \times 2 \times I$

4. _____

5) $15IR$

E. $2 \times 3 \times 2 \times I$

5. _____

6) $8IRV$

F. $4 \times 2 \times I \times R \times V$

6. _____

7) $10I$

G. $5I \times 3R$

7. _____

8) $10IR$

H. $2 \times 5 \times I$

8. _____

9) $48I$

I. $10IR$

9. _____

10) $5 \times 2 \times 2 \times I \times R$

J. $(3I)(3R)(5V)$

10. _____

11) $45IRV$

K. $5 \times 5 \times I \times R$

11. _____

12) $12I$

L. $20IR$

12. _____

13) $20IRV$

M. $5IR \times 4V$

13. _____



Match each expression on the left to the equivalent expression on the right.

Answers

| | | |
|---|--|--------------|
| 1) $(5IR)(2)$ | A. $(5I)(2R)$ | 1. <u>I</u> |
| 2) $8I$ | B. $(4IR)(5V)$ | 2. <u>C</u> |
| 3) $20IRV$ | C. $(4I)(2)$ | 3. <u>M</u> |
| 4) $25IR$ | D. $2 \times 4 \times 3 \times 2 \times I$ | 4. <u>K</u> |
| 5) $15IR$ | E. $2 \times 3 \times 2 \times I$ | 5. <u>G</u> |
| 6) $8IRV$ | F. $4 \times 2 \times I \times R \times V$ | 6. <u>F</u> |
| 7) $10I$ | G. $5I \times 3R$ | 7. <u>H</u> |
| 8) $10IR$ | H. $2 \times 5 \times I$ | 8. <u>A</u> |
| 9) $48I$ | I. $10IR$ | 9. <u>D</u> |
| 10) $5 \times 2 \times 2 \times I \times R$ | J. $(3I)(3R)(5V)$ | 10. <u>L</u> |
| 11) $45IRV$ | K. $5 \times 5 \times I \times R$ | 11. <u>J</u> |
| 12) $12I$ | L. $20IR$ | 12. <u>E</u> |
| 13) $20IRV$ | M. $5IR \times 4V$ | 13. <u>B</u> |



Match each expression on the left to the equivalent expression on the right.

Answers

1) $18L$

A. $32LN$

1. _____

2) $(5LN)(5)$

B. $(5L)(5)$

2. _____

3) $10LN$

C. $108L$

3. _____

4) $3 \times 4 \times L \times N$

D. $12LNH$

4. _____

5) $3 \times 2 \times L \times N \times H$

E. $12LN$

5. _____

6) $4 \times 2 \times 4 \times L \times N$

F. $6LNH$

6. _____

7) $16LNH$

G. $(2L)(4N)(5H)$

7. _____

8) $40LNH$

H. $3 \times 2 \times 3 \times L$

8. _____

9) $25L$

I. $5 \times 5 \times L$

9. _____

10) $3LN \times 4H$

J. $2L \times 5N$

10. _____

11) $3 \times 3 \times 4 \times 3 \times L$

K. $15LN$

11. _____

12) $25L$

L. $25LN$

12. _____

13) $(5L)(3N)$

M. $(4LN)(4H)$

13. _____



Match each expression on the left to the equivalent expression on the right.

Answers

- | | |
|---|-----------------------------------|
| 1) 18L | A. 32LN |
| 2) (5LN)(5) | B. (5L)(5) |
| 3) 10LN | C. 108L |
| 4) $3 \times 4 \times L \times N$ | D. 12LNH |
| 5) $3 \times 2 \times L \times N \times H$ | E. 12LN |
| 6) $4 \times 2 \times 4 \times L \times N$ | F. 6LNH |
| 7) 16LNH | G. (2L)(4N)(5H) |
| 8) 40LNH | H. $3 \times 2 \times 3 \times L$ |
| 9) 25L | I. $5 \times 5 \times L$ |
| 10) $3LN \times 4H$ | J. $2L \times 5N$ |
| 11) $3 \times 3 \times 4 \times 3 \times L$ | K. 15LN |
| 12) 25L | L. 25LN |
| 13) (5L)(3N) | M. (4LN)(4H) |

1. **H**
2. **L**
3. **J**
4. **E**
5. **F**
6. **A**
7. **M**
8. **G**
9. **I**
10. **D**
11. **C**
12. **B**
13. **K**