



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.

- 1) 16NXP

A. $4NX \times 4P$
- 2) $3 \times 5 \times 2 \times N \times X$

B. $(2N)(2X)$
- 3) 9NXP

C. $(4N)(2)$
- 4) $3N \times 2X$

D. 20NXP
- 5) 4NX

E. 6NX
- 6) 20NX

F. $(4NX)(2)$
- 7) 8NX

G. $5 \times 3 \times 5 \times 3 \times N$
- 8) 20N

H. 30NX
- 9) 8N

I. 40N
- 10) $2 \times 4 \times 5 \times N$

J. $3 \times 3 \times N \times X \times P$
- 11) $(3N)(4X)(3P)$

K. $5 \times 4 \times N$
- 12) $(4NX)(5P)$

L. $5 \times 4 \times N \times X$
- 13) 225N

M. 36NXP

Answers

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



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



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



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. _____

4) (3L)(4I)

D. $5 \times 3 \times L$

5. _____

6. _____

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

E. (4LI)(3O)

7. _____

6) 120L

F. (2L)(5)

8. _____

9. _____

7) 12LI

G. (5LI)(5)

10. _____

8) 25LI

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

11. _____

12. _____

9) 15LIO

I. 25LI

13. _____

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



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



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. $10V$

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. $(2VL)(2)$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____



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. B
2) $(5V)(2)$	B. 240V	2. K
3) 60VLP	C. $(3V)(5L)(4P)$	3. C
4) 4VL	D. 18VL	4. M
5) $3 \times 2 \times 3 \times V \times L$	E. $2 \times 3 \times V \times L \times P$	5. D
6) 20VLP	F. $5 \times 2 \times V \times L$	6. L
7) $5 \times 4 \times 5 \times V$	G. 100V	7. G
8) 6VLP	H. 12VL	8. E
9) $5VL \times 3P$	I. 15VLP	9. I
10) $(3V)(4L)$	J. 12VL	10. J
11) 10VL	K. 10V	11. F
12) $4V \times 3L$	L. $(5VL)(4P)$	12. H
13) $2 \times 5 \times V$	M. $(2VL)(2)$	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. **I**

2) $4L \times 4K$

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

2. **F**

3) $15LKC$

C. $5LK \times 5C$

3. **L**

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

D. $20LK$

4. **G**

5) $(5LK)(4)$

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

5. **D**

6) $4LK$

F. $16LK$

6. **E**

7) $25LKC$

G. $12LKC$

7. **C**

8) $48LK$

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

8. **A**

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

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

9. **M**

10) $24L$

J. $(5L)(4)$

10. **H**

11) $20L$

K. $4 \times 3 \times L$

11. **J**

12) $12L$

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

12. **K**

13) $96L$

M. $6LKC$

13. **B**



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 |