

Distributive Property, Numeric

Date _____ Period _____

The distributive property is being applied. Find the missing value to complete the work.

1) $7(2 + 5) = \square + 35$

2) $8(4 + 3) = \square + 24$

3) $4(9 + 10) = \square + 40$

4) $2(19 + 3) = \square + 6$

5) $3(6 + 2 + 9) = \square + 6 + 27$

6) $5(3 + 5 + 6) = \square + 25 + 30$

7) $18 + 27 = 9(2 + \square)$

8) $40 + 30 = 10(4 + \square)$

9) $25 + 35 + 20 = 5(5 + \square + 4)$

10) $30 + 10 + 35 = 5(6 + \square + 7)$

11) $35 + 21 = \square(5 + 3)$

12) $40 + 16 = \square(5 + 2)$

13) $40 + 20 + 30 = \square(4 + 2 + 3)$

14) $38 + 12 + 22 = \square(19 + 6 + 11)$

Apply the distributive property to factor out the GCF and create an equivalent expression.

15) $18 + 24$

16) $22 + 16$

17) $16 + 32 + 40$

18) $39 + 15 + 21$

Distributive Property, Numeric

The distributive property is being applied. Find the missing value to complete the work.

1) $7(2 + 5) = \square + 35$

14

2) $8(4 + 3) = \square + 24$

32

3) $4(9 + 10) = \square + 40$

36

4) $2(19 + 3) = \square + 6$

38

5) $3(6 + 2 + 9) = \square + 6 + 27$

18

6) $5(3 + 5 + 6) = \square + 25 + 30$

15

7) $18 + 27 = 9(2 + \square)$

3

8) $40 + 30 = 10(4 + \square)$

3

9) $25 + 35 + 20 = 5(5 + \square + 4)$

7

10) $30 + 10 + 35 = 5(6 + \square + 7)$

2

11) $35 + 21 = \square(5 + 3)$

7

12) $40 + 16 = \square(5 + 2)$

8

13) $40 + 20 + 30 = \square(4 + 2 + 3)$

10

14) $38 + 12 + 22 = \square(19 + 6 + 11)$

2

Apply the distributive property to factor out the GCF and create an equivalent expression.

15) $18 + 24$

 $6(3 + 4)$

16) $22 + 16$

 $2(11 + 8)$

17) $16 + 32 + 40$

 $8(2 + 4 + 5)$

18) $39 + 15 + 21$

 $3(13 + 5 + 7)$