

Unknown Variables in Equations (A)

Name: _____

Date: _____

Determine the value of each variable.

1. $2 \times 10 = r$

2. $1 \times 8 = a$

3. $200 = 20 \times c$

4. $15 \times w = 90$

5. $y = 20 \times 15$

6. $z = 20 \times 13$

7. $42 = 14 \times t$

8. $35 = m \times 5$

9. $77 = 7 \times x$

10. $h \times 4 = 12$

11. $s = 19 \times 14$

12. $152 = 8 \times b$

13. $5 \times j = 75$

14. $12 \times 12 = n$

15. $5 \times k = 100$

16. $256 = 16 \times g$

17. $f \times 12 = 192$

18. $v \times 2 = 26$

19. $30 = p \times 6$

20. $d = 2 \times 19$

Unknown Variables in Equations (A) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $2 \times 10 = r$

$r = 20$

2. $1 \times 8 = a$

$a = 8$

3. $200 = 20 \times c$

$c = 10$

4. $15 \times w = 90$

$w = 6$

5. $y = 20 \times 15$

$y = 300$

6. $z = 20 \times 13$

$z = 260$

7. $42 = 14 \times t$

$t = 3$

8. $35 = m \times 5$

$m = 7$

9. $77 = 7 \times x$

$x = 11$

10. $h \times 4 = 12$

$h = 3$

11. $s = 19 \times 14$

$s = 266$

12. $152 = 8 \times b$

$b = 19$

13. $5 \times j = 75$

$j = 15$

14. $12 \times 12 = n$

$n = 144$

15. $5 \times k = 100$

$k = 20$

16. $256 = 16 \times g$

$g = 16$

17. $f \times 12 = 192$

$f = 16$

18. $v \times 2 = 26$

$v = 13$

19. $30 = p \times 6$

$p = 5$

20. $d = 2 \times 19$

$d = 38$

Unknown Variables in Equations (B)

Name: _____

Date: _____

Determine the value of each variable.

1. $6 = 1 \times f$

2. $v \times 5 = 75$

3. $p \times 4 = 48$

4. $10 \times 16 = a$

5. $171 = n \times 19$

6. $52 = 13 \times k$

7. $12 \times x = 168$

8. $192 = z \times 16$

9. $s \times 11 = 209$

10. $b \times 12 = 72$

11. $144 = t \times 12$

12. $16 \times 9 = d$

13. $3 \times 14 = j$

14. $h \times 1 = 18$

15. $72 = 9 \times g$

16. $90 = r \times 15$

17. $m \times 19 = 133$

18. $154 = 14 \times w$

19. $15 \times y = 15$

20. $c \times 16 = 176$

Unknown Variables in Equations (B) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $6 = 1 \times f$

$f = 6$

2. $v \times 5 = 75$

$v = 15$

3. $p \times 4 = 48$

$p = 12$

4. $10 \times 16 = a$

$a = 160$

5. $171 = n \times 19$

$n = 9$

6. $52 = 13 \times k$

$k = 4$

7. $12 \times x = 168$

$x = 14$

8. $192 = z \times 16$

$z = 12$

9. $s \times 11 = 209$

$s = 19$

10. $b \times 12 = 72$

$b = 6$

11. $144 = t \times 12$

$t = 12$

12. $16 \times 9 = d$

$d = 144$

13. $3 \times 14 = j$

$j = 42$

14. $h \times 1 = 18$

$h = 18$

15. $72 = 9 \times g$

$g = 8$

16. $90 = r \times 15$

$r = 6$

17. $m \times 19 = 133$

$m = 7$

18. $154 = 14 \times w$

$w = 11$

19. $15 \times y = 15$

$y = 1$

20. $c \times 16 = 176$

$c = 11$

Unknown Variables in Equations (C)

Name: _____

Date: _____

Determine the value of each variable.

1. $6 \times 10 = r$

2. $14 \times 13 = z$

3. $t \times 3 = 36$

4. $j \times 2 = 14$

5. $14 = d \times 14$

6. $2 \times c = 26$

7. $171 = 9 \times y$

8. $88 = 8 \times a$

9. $g = 8 \times 18$

10. $220 = h \times 20$

11. $9 = 1 \times p$

12. $176 = x \times 11$

13. $n = 6 \times 2$

14. $m \times 8 = 160$

15. $13 \times 1 = v$

16. $w = 15 \times 8$

17. $f = 19 \times 4$

18. $s = 16 \times 14$

19. $320 = b \times 20$

20. $32 = 4 \times k$

Unknown Variables in Equations (C) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $6 \times 10 = r$

$r = 60$

2. $14 \times 13 = z$

$z = 182$

3. $t \times 3 = 36$

$t = 12$

4. $j \times 2 = 14$

$j = 7$

5. $14 = d \times 14$

$d = 1$

6. $2 \times c = 26$

$c = 13$

7. $171 = 9 \times y$

$y = 19$

8. $88 = 8 \times a$

$a = 11$

9. $g = 8 \times 18$

$g = 144$

10. $220 = h \times 20$

$h = 11$

11. $9 = 1 \times p$

$p = 9$

12. $176 = x \times 11$

$x = 16$

13. $n = 6 \times 2$

$n = 12$

14. $m \times 8 = 160$

$m = 20$

15. $13 \times 1 = v$

$v = 13$

16. $w = 15 \times 8$

$w = 120$

17. $f = 19 \times 4$

$f = 76$

18. $s = 16 \times 14$

$s = 224$

19. $320 = b \times 20$

$b = 16$

20. $32 = 4 \times k$

$k = 8$

Unknown Variables in Equations (D)

Name: _____

Date: _____

Determine the value of each variable.

1. $6 \times f = 102$

2. $12 \times b = 72$

3. $2 \times 16 = v$

4. $400 = d \times 20$

5. $48 = 3 \times a$

6. $323 = 17 \times s$

7. $19 \times 12 = w$

8. $5 \times 3 = r$

9. $y \times 16 = 16$

10. $x \times 18 = 72$

11. $16 \times 10 = m$

12. $64 = 8 \times g$

13. $8 \times 19 = t$

14. $60 = c \times 15$

15. $90 = 9 \times j$

16. $k = 13 \times 10$

17. $n = 14 \times 1$

18. $15 \times 15 = p$

19. $8 \times h = 160$

20. $17 \times 15 = z$

Unknown Variables in Equations (D) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $6 \times f = 102$

$f = 17$

2. $12 \times b = 72$

$b = 6$

3. $2 \times 16 = v$

$v = 32$

4. $400 = d \times 20$

$d = 20$

5. $48 = 3 \times a$

$a = 16$

6. $323 = 17 \times s$

$s = 19$

7. $19 \times 12 = w$

$w = 228$

8. $5 \times 3 = r$

$r = 15$

9. $y \times 16 = 16$

$y = 1$

10. $x \times 18 = 72$

$x = 4$

11. $16 \times 10 = m$

$m = 160$

12. $64 = 8 \times g$

$g = 8$

13. $8 \times 19 = t$

$t = 152$

14. $60 = c \times 15$

$c = 4$

15. $90 = 9 \times j$

$j = 10$

16. $k = 13 \times 10$

$k = 130$

17. $n = 14 \times 1$

$n = 14$

18. $15 \times 15 = p$

$p = 225$

19. $8 \times h = 160$

$h = 20$

20. $17 \times 15 = z$

$z = 255$

Unknown Variables in Equations (E)

Name: _____

Date: _____

Determine the value of each variable.

1. $a \times 1 = 20$

2. $80 = 10 \times t$

3. $3 \times b = 12$

4. $51 = s \times 3$

5. $4 \times y = 28$

6. $11 \times 3 = n$

7. $10 \times 3 = j$

8. $70 = 10 \times k$

9. $19 \times g = 95$

10. $60 = 20 \times h$

11. $208 = v \times 13$

12. $8 = 8 \times p$

13. $f = 9 \times 19$

14. $x \times 10 = 20$

15. $w = 7 \times 8$

16. $68 = c \times 17$

17. $96 = 16 \times d$

18. $z = 10 \times 2$

19. $r \times 3 = 21$

20. $m = 2 \times 4$

Unknown Variables in Equations (E) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $a \times 1 = 20$

$a = 20$

2. $80 = 10 \times t$

$t = 8$

3. $3 \times b = 12$

$b = 4$

4. $51 = s \times 3$

$s = 17$

5. $4 \times y = 28$

$y = 7$

6. $11 \times 3 = n$

$n = 33$

7. $10 \times 3 = j$

$j = 30$

8. $70 = 10 \times k$

$k = 7$

9. $19 \times g = 95$

$g = 5$

10. $60 = 20 \times h$

$h = 3$

11. $208 = v \times 13$

$v = 16$

12. $8 = 8 \times p$

$p = 1$

13. $f = 9 \times 19$

$f = 171$

14. $x \times 10 = 20$

$x = 2$

15. $w = 7 \times 8$

$w = 56$

16. $68 = c \times 17$

$c = 4$

17. $96 = 16 \times d$

$d = 6$

18. $z = 10 \times 2$

$z = 20$

19. $r \times 3 = 21$

$r = 7$

20. $m = 2 \times 4$

$m = 8$

Unknown Variables in Equations (F)

Name: _____

Date: _____

Determine the value of each variable.

1. $8 \times 11 = f$

2. $h \times 3 = 21$

3. $165 = 15 \times g$

4. $18 = w \times 18$

5. $k = 5 \times 20$

6. $11 \times 5 = r$

7. $m \times 7 = 21$

8. $t \times 14 = 168$

9. $280 = 20 \times b$

10. $19 \times n = 114$

11. $48 = 4 \times j$

12. $22 = z \times 2$

13. $143 = a \times 13$

14. $16 \times 5 = x$

15. $100 = 20 \times s$

16. $p \times 19 = 38$

17. $v = 9 \times 12$

18. $72 = d \times 4$

19. $7 \times c = 49$

20. $y \times 16 = 192$

Unknown Variables in Equations (F) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $8 \times 11 = f$

$f = 88$

2. $h \times 3 = 21$

$h = 7$

3. $165 = 15 \times g$

$g = 11$

4. $18 = w \times 18$

$w = 1$

5. $k = 5 \times 20$

$k = 100$

6. $11 \times 5 = r$

$r = 55$

7. $m \times 7 = 21$

$m = 3$

8. $t \times 14 = 168$

$t = 12$

9. $280 = 20 \times b$

$b = 14$

10. $19 \times n = 114$

$n = 6$

11. $48 = 4 \times j$

$j = 12$

12. $22 = z \times 2$

$z = 11$

13. $143 = a \times 13$

$a = 11$

14. $16 \times 5 = x$

$x = 80$

15. $100 = 20 \times s$

$s = 5$

16. $p \times 19 = 38$

$p = 2$

17. $v = 9 \times 12$

$v = 108$

18. $72 = d \times 4$

$d = 18$

19. $7 \times c = 49$

$c = 7$

20. $y \times 16 = 192$

$y = 12$

Unknown Variables in Equations (G)

Name: _____

Date: _____

Determine the value of each variable.

1. $g \times 6 = 54$

2. $112 = 14 \times b$

3. $13 \times j = 78$

4. $1 \times 4 = s$

5. $k \times 7 = 7$

6. $n = 17 \times 16$

7. $8 \times r = 152$

8. $t \times 3 = 24$

9. $85 = f \times 17$

10. $14 \times x = 224$

11. $7 \times 9 = w$

12. $c \times 4 = 20$

13. $22 = d \times 11$

14. $104 = p \times 8$

15. $12 \times a = 168$

16. $70 = 7 \times h$

17. $y \times 20 = 120$

18. $5 \times 18 = z$

19. $16 \times v = 160$

20. $4 \times m = 48$

Unknown Variables in Equations (G) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $g \times 6 = 54$

$g = 9$

2. $112 = 14 \times b$

$b = 8$

3. $13 \times j = 78$

$j = 6$

4. $1 \times 4 = s$

$s = 4$

5. $k \times 7 = 7$

$k = 1$

6. $n = 17 \times 16$

$n = 272$

7. $8 \times r = 152$

$r = 19$

8. $t \times 3 = 24$

$t = 8$

9. $85 = f \times 17$

$f = 5$

10. $14 \times x = 224$

$x = 16$

11. $7 \times 9 = w$

$w = 63$

12. $c \times 4 = 20$

$c = 5$

13. $22 = d \times 11$

$d = 2$

14. $104 = p \times 8$

$p = 13$

15. $12 \times a = 168$

$a = 14$

16. $70 = 7 \times h$

$h = 10$

17. $y \times 20 = 120$

$y = 6$

18. $5 \times 18 = z$

$z = 90$

19. $16 \times v = 160$

$v = 10$

20. $4 \times m = 48$

$m = 12$

Unknown Variables in Equations (H)

Name: _____

Date: _____

Determine the value of each variable.

1. $w \times 19 = 304$

2. $50 = k \times 5$

3. $30 = d \times 10$

4. $j = 16 \times 9$

5. $3 \times 13 = b$

6. $12 \times r = 240$

7. $z = 10 \times 9$

8. $y \times 4 = 12$

9. $x = 4 \times 20$

10. $f = 3 \times 20$

11. $2 \times 15 = t$

12. $6 \times n = 96$

13. $17 \times p = 136$

14. $17 \times a = 170$

15. $400 = h \times 20$

16. $13 \times 6 = c$

17. $v = 7 \times 19$

18. $m \times 2 = 36$

19. $247 = 13 \times g$

20. $8 \times s = 136$

Unknown Variables in Equations (H) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $w \times 19 = 304$

$w = 16$

2. $50 = k \times 5$

$k = 10$

3. $30 = d \times 10$

$d = 3$

4. $j = 16 \times 9$

$j = 144$

5. $3 \times 13 = b$

$b = 39$

6. $12 \times r = 240$

$r = 20$

7. $z = 10 \times 9$

$z = 90$

8. $y \times 4 = 12$

$y = 3$

9. $x = 4 \times 20$

$x = 80$

10. $f = 3 \times 20$

$f = 60$

11. $2 \times 15 = t$

$t = 30$

12. $6 \times n = 96$

$n = 16$

13. $17 \times p = 136$

$p = 8$

14. $17 \times a = 170$

$a = 10$

15. $400 = h \times 20$

$h = 20$

16. $13 \times 6 = c$

$c = 78$

17. $v = 7 \times 19$

$v = 133$

18. $m \times 2 = 36$

$m = 18$

19. $247 = 13 \times g$

$g = 19$

20. $8 \times s = 136$

$s = 17$

Unknown Variables in Equations (I)

Name: _____

Date: _____

Determine the value of each variable.

1. $14 \times 10 = w$

2. $8 = z \times 4$

3. $15 \times s = 75$

4. $13 \times 18 = m$

5. $x = 6 \times 8$

6. $r = 20 \times 16$

7. $8 \times 12 = d$

8. $13 \times 13 = c$

9. $32 = h \times 2$

10. $a \times 6 = 114$

11. $k = 15 \times 7$

12. $n \times 2 = 24$

13. $60 = 3 \times p$

14. $j \times 12 = 48$

15. $b \times 19 = 209$

16. $y = 17 \times 11$

17. $48 = f \times 6$

18. $35 = 7 \times t$

19. $7 \times 10 = g$

20. $v \times 1 = 5$

Unknown Variables in Equations (I) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $14 \times 10 = w$

$w = 140$

2. $8 = z \times 4$

$z = 2$

3. $15 \times s = 75$

$s = 5$

4. $13 \times 18 = m$

$m = 234$

5. $x = 6 \times 8$

$x = 48$

6. $r = 20 \times 16$

$r = 320$

7. $8 \times 12 = d$

$d = 96$

8. $13 \times 13 = c$

$c = 169$

9. $32 = h \times 2$

$h = 16$

10. $a \times 6 = 114$

$a = 19$

11. $k = 15 \times 7$

$k = 105$

12. $n \times 2 = 24$

$n = 12$

13. $60 = 3 \times p$

$p = 20$

14. $j \times 12 = 48$

$j = 4$

15. $b \times 19 = 209$

$b = 11$

16. $y = 17 \times 11$

$y = 187$

17. $48 = f \times 6$

$f = 8$

18. $35 = 7 \times t$

$t = 5$

19. $7 \times 10 = g$

$g = 70$

20. $v \times 1 = 5$

$v = 5$

Unknown Variables in Equations (J)

Name: _____

Date: _____

Determine the value of each variable.

1. $d = 2 \times 3$

2. $2 \times 5 = w$

3. $2 \times v = 22$

4. $r \times 17 = 272$

5. $y \times 5 = 90$

6. $h \times 17 = 68$

7. $15 \times j = 135$

8. $10 \times 1 = g$

9. $t \times 13 = 65$

10. $s \times 17 = 153$

11. $153 = 9 \times b$

12. $f = 1 \times 6$

13. $p \times 7 = 56$

14. $88 = 11 \times k$

15. $48 = 8 \times n$

16. $60 = m \times 6$

17. $19 \times x = 361$

18. $14 \times 8 = c$

19. $a = 5 \times 5$

20. $133 = z \times 19$

Unknown Variables in Equations (J) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $d = 2 \times 3$

$d = 6$

2. $2 \times 5 = w$

$w = 10$

3. $2 \times v = 22$

$v = 11$

4. $r \times 17 = 272$

$r = 16$

5. $y \times 5 = 90$

$y = 18$

6. $h \times 17 = 68$

$h = 4$

7. $15 \times j = 135$

$j = 9$

8. $10 \times 1 = g$

$g = 10$

9. $t \times 13 = 65$

$t = 5$

10. $s \times 17 = 153$

$s = 9$

11. $153 = 9 \times b$

$b = 17$

12. $f = 1 \times 6$

$f = 6$

13. $p \times 7 = 56$

$p = 8$

14. $88 = 11 \times k$

$k = 8$

15. $48 = 8 \times n$

$n = 6$

16. $60 = m \times 6$

$m = 10$

17. $19 \times x = 361$

$x = 19$

18. $14 \times 8 = c$

$c = 112$

19. $a = 5 \times 5$

$a = 25$

20. $133 = z \times 19$

$z = 7$