

Unknown Variables in Equations (A)

Name: _____

Date: _____

Determine the value of each variable.

1. $j = 26 \div 2$

2. $36 \div 4 = h$

3. $135 \div 15 = z$

4. $8 = 96 \div f$

5. $11 \div c = 1$

6. $7 = w \div 14$

7. $42 \div n = 7$

8. $324 \div 18 = a$

9. $9 = 90 \div p$

10. $13 = b \div 3$

11. $100 \div 10 = g$

12. $d \div 17 = 6$

13. $2 = y \div 8$

14. $3 = 27 \div t$

15. $2 \div r = 2$

16. $10 \div 10 = x$

17. $m = 20 \div 2$

18. $v = 170 \div 17$

19. $3 = 6 \div k$

20. $6 = s \div 4$

Unknown Variables in Equations (A) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $j = 26 \div 2$

$j = 13$

2. $36 \div 4 = h$

$h = 9$

3. $135 \div 15 = z$

$z = 9$

4. $8 = 96 \div f$

$f = 12$

5. $11 \div c = 1$

$c = 11$

6. $7 = w \div 14$

$w = 98$

7. $42 \div n = 7$

$n = 6$

8. $324 \div 18 = a$

$a = 18$

9. $9 = 90 \div p$

$p = 10$

10. $13 = b \div 3$

$b = 39$

11. $100 \div 10 = g$

$g = 10$

12. $d \div 17 = 6$

$d = 102$

13. $2 = y \div 8$

$y = 16$

14. $3 = 27 \div t$

$t = 9$

15. $2 \div r = 2$

$r = 1$

16. $10 \div 10 = x$

$x = 1$

17. $m = 20 \div 2$

$m = 10$

18. $v = 170 \div 17$

$v = 10$

19. $3 = 6 \div k$

$k = 2$

20. $6 = s \div 4$

$s = 24$

Unknown Variables in Equations (B)

Name: _____

Date: _____

Determine the value of each variable.

1. $15 = 225 \div a$

2. $10 = w \div 16$

3. $v = 143 \div 13$

4. $k \div 10 = 20$

5. $g \div 3 = 16$

6. $95 \div p = 19$

7. $72 \div 4 = f$

8. $t \div 7 = 4$

9. $d = 91 \div 13$

10. $7 \div z = 1$

11. $35 \div 5 = x$

12. $12 = 84 \div y$

13. $6 \div s = 1$

14. $60 \div m = 10$

15. $n \div 8 = 5$

16. $h \div 10 = 3$

17. $6 = 30 \div r$

18. $55 \div 5 = c$

19. $2 = b \div 17$

20. $13 \div j = 13$

Unknown Variables in Equations (B) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $15 = 225 \div a$

$a = 15$

2. $10 = w \div 16$

$w = 160$

3. $v = 143 \div 13$

$v = 11$

4. $k \div 10 = 20$

$k = 200$

5. $g \div 3 = 16$

$g = 48$

6. $95 \div p = 19$

$p = 5$

7. $72 \div 4 = f$

$f = 18$

8. $t \div 7 = 4$

$t = 28$

9. $d = 91 \div 13$

$d = 7$

10. $7 \div z = 1$

$z = 7$

11. $35 \div 5 = x$

$x = 7$

12. $12 = 84 \div y$

$y = 7$

13. $6 \div s = 1$

$s = 6$

14. $60 \div m = 10$

$m = 6$

15. $n \div 8 = 5$

$n = 40$

16. $h \div 10 = 3$

$h = 30$

17. $6 = 30 \div r$

$r = 5$

18. $55 \div 5 = c$

$c = 11$

19. $2 = b \div 17$

$b = 34$

20. $13 \div j = 13$

$j = 1$

Unknown Variables in Equations (C)

Name: _____

Date: _____

Determine the value of each variable.

1. $p \div 17 = 19$

2. $n = 84 \div 14$

3. $5 = v \div 14$

4. $1 = 16 \div k$

5. $15 = s \div 1$

6. $60 \div 3 = w$

7. $12 = h \div 19$

8. $4 = x \div 10$

9. $17 = 204 \div z$

10. $c \div 17 = 14$

11. $13 = g \div 11$

12. $20 = 240 \div y$

13. $3 \div a = 3$

14. $40 \div f = 2$

15. $r = 216 \div 18$

16. $j \div 18 = 19$

17. $t \div 3 = 4$

18. $5 = 50 \div d$

19. $9 = 63 \div b$

20. $m = 35 \div 5$

Unknown Variables in Equations (C) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $p \div 17 = 19$

$p = 323$

2. $n = 84 \div 14$

$n = 6$

3. $5 = v \div 14$

$v = 70$

4. $1 = 16 \div k$

$k = 16$

5. $15 = s \div 1$

$s = 15$

6. $60 \div 3 = w$

$w = 20$

7. $12 = h \div 19$

$h = 228$

8. $4 = x \div 10$

$x = 40$

9. $17 = 204 \div z$

$z = 12$

10. $c \div 17 = 14$

$c = 238$

11. $13 = g \div 11$

$g = 143$

12. $20 = 240 \div y$

$y = 12$

13. $3 \div a = 3$

$a = 1$

14. $40 \div f = 2$

$f = 20$

15. $r = 216 \div 18$

$r = 12$

16. $j \div 18 = 19$

$j = 342$

17. $t \div 3 = 4$

$t = 12$

18. $5 = 50 \div d$

$d = 10$

19. $9 = 63 \div b$

$b = 7$

20. $m = 35 \div 5$

$m = 7$

Unknown Variables in Equations (D)

Name: _____

Date: _____

Determine the value of each variable.

1. $11 = h \div 3$

2. $17 = p \div 13$

3. $19 = 152 \div t$

4. $14 = 140 \div b$

5. $105 \div 7 = y$

6. $j = 88 \div 8$

7. $1 = d \div 20$

8. $n = 16 \div 1$

9. $x = 176 \div 16$

10. $70 \div r = 14$

11. $17 = 272 \div w$

12. $4 = m \div 9$

13. $209 \div 19 = k$

14. $1 = s \div 17$

15. $16 = 256 \div c$

16. $v \div 3 = 8$

17. $120 \div a = 15$

18. $228 \div 19 = z$

19. $11 = 110 \div f$

20. $g = 60 \div 12$

Unknown Variables in Equations (D) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $11 = h \div 3$

$h = 33$

2. $17 = p \div 13$

$p = 221$

3. $19 = 152 \div t$

$t = 8$

4. $14 = 140 \div b$

$b = 10$

5. $105 \div 7 = y$

$y = 15$

6. $j = 88 \div 8$

$j = 11$

7. $1 = d \div 20$

$d = 20$

8. $n = 16 \div 1$

$n = 16$

9. $x = 176 \div 16$

$x = 11$

10. $70 \div r = 14$

$r = 5$

11. $17 = 272 \div w$

$w = 16$

12. $4 = m \div 9$

$m = 36$

13. $209 \div 19 = k$

$k = 11$

14. $1 = s \div 17$

$s = 17$

15. $16 = 256 \div c$

$c = 16$

16. $v \div 3 = 8$

$v = 24$

17. $120 \div a = 15$

$a = 8$

18. $228 \div 19 = z$

$z = 12$

19. $11 = 110 \div f$

$f = 10$

20. $g = 60 \div 12$

$g = 5$

Unknown Variables in Equations (E)

Name: _____

Date: _____

Determine the value of each variable.

1. $d = 4 \div 2$

2. $z = 17 \div 1$

3. $20 = 340 \div f$

4. $17 = 119 \div n$

5. $240 \div 20 = x$

6. $c = 220 \div 20$

7. $182 \div m = 14$

8. $j \div 1 = 8$

9. $p = 156 \div 13$

10. $220 \div g = 11$

11. $y = 30 \div 5$

12. $36 \div 4 = b$

13. $5 = 5 \div r$

14. $13 = h \div 4$

15. $s = 12 \div 6$

16. $t \div 18 = 12$

17. $k = 68 \div 4$

18. $140 \div v = 20$

19. $18 \div a = 1$

20. $5 = w \div 3$

Unknown Variables in Equations (E) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $d = 4 \div 2$

$d = 2$

2. $z = 17 \div 1$

$z = 17$

3. $20 = 340 \div f$

$f = 17$

4. $17 = 119 \div n$

$n = 7$

5. $240 \div 20 = x$

$x = 12$

6. $c = 220 \div 20$

$c = 11$

7. $182 \div m = 14$

$m = 13$

8. $j \div 1 = 8$

$j = 8$

9. $p = 156 \div 13$

$p = 12$

10. $220 \div g = 11$

$g = 20$

11. $y = 30 \div 5$

$y = 6$

12. $36 \div 4 = b$

$b = 9$

13. $5 = 5 \div r$

$r = 1$

14. $13 = h \div 4$

$h = 52$

15. $s = 12 \div 6$

$s = 2$

16. $t \div 18 = 12$

$t = 216$

17. $k = 68 \div 4$

$k = 17$

18. $140 \div v = 20$

$v = 7$

19. $18 \div a = 1$

$a = 18$

20. $5 = w \div 3$

$w = 15$

Unknown Variables in Equations (F)

Name: _____

Date: _____

Determine the value of each variable.

1. $b = 8 \div 8$

2. $2 = 34 \div z$

3. $r \div 15 = 8$

4. $8 \div 8 = s$

5. $18 = f \div 6$

6. $y \div 10 = 16$

7. $p \div 1 = 3$

8. $16 = h \div 5$

9. $6 = 42 \div g$

10. $9 = t \div 4$

11. $220 \div 11 = c$

12. $14 = x \div 7$

13. $12 \div 4 = v$

14. $d \div 7 = 17$

15. $234 \div 18 = m$

16. $k \div 9 = 20$

17. $j \div 4 = 4$

18. $11 = a \div 15$

19. $28 \div n = 14$

20. $238 \div w = 17$

Unknown Variables in Equations (F) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $b = 8 \div 8$

$b = 1$

2. $2 = 34 \div z$

$z = 17$

3. $r \div 15 = 8$

$r = 120$

4. $8 \div 8 = s$

$s = 1$

5. $18 = f \div 6$

$f = 108$

6. $y \div 10 = 16$

$y = 160$

7. $p \div 1 = 3$

$p = 3$

8. $16 = h \div 5$

$h = 80$

9. $6 = 42 \div g$

$g = 7$

10. $9 = t \div 4$

$t = 36$

11. $220 \div 11 = c$

$c = 20$

12. $14 = x \div 7$

$x = 98$

13. $12 \div 4 = v$

$v = 3$

14. $d \div 7 = 17$

$d = 119$

15. $234 \div 18 = m$

$m = 13$

16. $k \div 9 = 20$

$k = 180$

17. $j \div 4 = 4$

$j = 16$

18. $11 = a \div 15$

$a = 165$

19. $28 \div n = 14$

$n = 2$

20. $238 \div w = 17$

$w = 14$

Unknown Variables in Equations (G)

Name: _____

Date: _____

Determine the value of each variable.

1. $t \div 15 = 17$

2. $48 \div 16 = h$

3. $20 = 160 \div n$

4. $210 \div 14 = g$

5. $k \div 2 = 11$

6. $1 = c \div 6$

7. $14 \div a = 14$

8. $z = 165 \div 11$

9. $m = 187 \div 17$

10. $17 = j \div 9$

11. $132 \div 11 = x$

12. $b = 45 \div 9$

13. $p = 54 \div 3$

14. $84 \div 7 = d$

15. $3 = 45 \div r$

16. $y \div 17 = 19$

17. $12 = s \div 16$

18. $8 \div 1 = w$

19. $198 \div v = 11$

20. $f = 156 \div 13$

Unknown Variables in Equations (G) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $t \div 15 = 17$

$t = 255$

2. $48 \div 16 = h$

$h = 3$

3. $20 = 160 \div n$

$n = 8$

4. $210 \div 14 = g$

$g = 15$

5. $k \div 2 = 11$

$k = 22$

6. $1 = c \div 6$

$c = 6$

7. $14 \div a = 14$

$a = 1$

8. $z = 165 \div 11$

$z = 15$

9. $m = 187 \div 17$

$m = 11$

10. $17 = j \div 9$

$j = 153$

11. $132 \div 11 = x$

$x = 12$

12. $b = 45 \div 9$

$b = 5$

13. $p = 54 \div 3$

$p = 18$

14. $84 \div 7 = d$

$d = 12$

15. $3 = 45 \div r$

$r = 15$

16. $y \div 17 = 19$

$y = 323$

17. $12 = s \div 16$

$s = 192$

18. $8 \div 1 = w$

$w = 8$

19. $198 \div v = 11$

$v = 18$

20. $f = 156 \div 13$

$f = 12$

Unknown Variables in Equations (H)

Name: _____

Date: _____

Determine the value of each variable.

1. $54 \div d = 3$

2. $9 = g \div 7$

3. $a \div 19 = 1$

4. $m \div 16 = 19$

5. $j \div 7 = 11$

6. $9 = v \div 9$

7. $8 = 8 \div b$

8. $15 = x \div 12$

9. $n \div 17 = 19$

10. $t \div 16 = 5$

11. $9 = 81 \div c$

12. $z = 234 \div 18$

13. $5 = h \div 7$

14. $7 = 126 \div s$

15. $99 \div f = 11$

16. $32 \div 4 = y$

17. $7 = k \div 3$

18. $132 \div 11 = p$

19. $14 = w \div 17$

20. $13 = 182 \div r$

Unknown Variables in Equations (H) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $54 \div d = 3$

$d = 18$

2. $9 = g \div 7$

$g = 63$

3. $a \div 19 = 1$

$a = 19$

4. $m \div 16 = 19$

$m = 304$

5. $j \div 7 = 11$

$j = 77$

6. $9 = v \div 9$

$v = 81$

7. $8 = 8 \div b$

$b = 1$

8. $15 = x \div 12$

$x = 180$

9. $n \div 17 = 19$

$n = 323$

10. $t \div 16 = 5$

$t = 80$

11. $9 = 81 \div c$

$c = 9$

12. $z = 234 \div 18$

$z = 13$

13. $5 = h \div 7$

$h = 35$

14. $7 = 126 \div s$

$s = 18$

15. $99 \div f = 11$

$f = 9$

16. $32 \div 4 = y$

$y = 8$

17. $7 = k \div 3$

$k = 21$

18. $132 \div 11 = p$

$p = 12$

19. $14 = w \div 17$

$w = 238$

20. $13 = 182 \div r$

$r = 14$

Unknown Variables in Equations (I)

Name: _____

Date: _____

Determine the value of each variable.

1. $165 \div 11 = g$

2. $126 \div 9 = k$

3. $y \div 3 = 7$

4. $180 \div 18 = s$

5. $x = 40 \div 4$

6. $2 = 12 \div p$

7. $7 = a \div 18$

8. $96 \div 16 = f$

9. $j = 121 \div 11$

10. $z = 119 \div 7$

11. $b = 112 \div 7$

12. $h = 96 \div 8$

13. $51 \div 17 = d$

14. $182 \div n = 13$

15. $40 \div r = 2$

16. $c \div 1 = 7$

17. $6 = 48 \div m$

18. $v = 70 \div 5$

19. $11 \div w = 1$

20. $12 \div 1 = t$

Unknown Variables in Equations (I) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $165 \div 11 = g$

$g = 15$

2. $126 \div 9 = k$

$k = 14$

3. $y \div 3 = 7$

$y = 21$

4. $180 \div 18 = s$

$s = 10$

5. $x = 40 \div 4$

$x = 10$

6. $2 = 12 \div p$

$p = 6$

7. $7 = a \div 18$

$a = 126$

8. $96 \div 16 = f$

$f = 6$

9. $j = 121 \div 11$

$j = 11$

10. $z = 119 \div 7$

$z = 17$

11. $b = 112 \div 7$

$b = 16$

12. $h = 96 \div 8$

$h = 12$

13. $51 \div 17 = d$

$d = 3$

14. $182 \div n = 13$

$n = 14$

15. $40 \div r = 2$

$r = 20$

16. $c \div 1 = 7$

$c = 7$

17. $6 = 48 \div m$

$m = 8$

18. $v = 70 \div 5$

$v = 14$

19. $11 \div w = 1$

$w = 11$

20. $12 \div 1 = t$

$t = 12$

Unknown Variables in Equations (J)

Name: _____

Date: _____

Determine the value of each variable.

1. $2 = 32 \div c$

2. $j \div 9 = 13$

3. $13 \div v = 1$

4. $9 = x \div 12$

5. $g \div 6 = 2$

6. $6 = n \div 19$

7. $b = 240 \div 20$

8. $a \div 10 = 15$

9. $r = 51 \div 17$

10. $90 \div t = 10$

11. $1 = 19 \div y$

12. $m = 112 \div 8$

13. $h \div 8 = 18$

14. $k \div 9 = 1$

15. $p = 52 \div 4$

16. $d \div 3 = 3$

17. $18 = f \div 9$

18. $10 = s \div 6$

19. $w = 270 \div 18$

20. $1 = 7 \div z$

Unknown Variables in Equations (J) Answers

Name: _____

Date: _____

Determine the value of each variable.

1. $2 = 32 \div c$

$c = 16$

2. $j \div 9 = 13$

$j = 117$

3. $13 \div v = 1$

$v = 13$

4. $9 = x \div 12$

$x = 108$

5. $g \div 6 = 2$

$g = 12$

6. $6 = n \div 19$

$n = 114$

7. $b = 240 \div 20$

$b = 12$

8. $a \div 10 = 15$

$a = 150$

9. $r = 51 \div 17$

$r = 3$

10. $90 \div t = 10$

$t = 9$

11. $1 = 19 \div y$

$y = 19$

12. $m = 112 \div 8$

$m = 14$

13. $h \div 8 = 18$

$h = 144$

14. $k \div 9 = 1$

$k = 9$

15. $p = 52 \div 4$

$p = 13$

16. $d \div 3 = 3$

$d = 9$

17. $18 = f \div 9$

$f = 162$

18. $10 = s \div 6$

$s = 60$

19. $w = 270 \div 18$

$w = 15$

20. $1 = 7 \div z$

$z = 7$