

Ratios — Simplify a ratio

Name: _____

Date: _____



1 $6 : 15 = \underline{2 : 5}$

2 $6 : 36 = \underline{\hspace{1cm}}$

3 $8 : 20 = \underline{\hspace{1cm}}$

4 $6 : 12 = \underline{\hspace{1cm}}$

5 $15 : 35 = \underline{\hspace{1cm}}$

6 $12 : 30 = \underline{\hspace{1cm}}$

7 $4 : 8 = \underline{\hspace{1cm}}$

8 $2 : 6 = \underline{\hspace{1cm}}$

9 $8 : 10 = \underline{\hspace{1cm}}$

10 $2 : 8 = \underline{\hspace{1cm}}$

11 $15 : 20 = \underline{\hspace{1cm}}$

12 $15 : 25 = \underline{\hspace{1cm}}$

13 $12 : 18 = \underline{\hspace{1cm}}$

14 $15 : 24 = \underline{\hspace{1cm}}$

15 $9 : 21 = \underline{\hspace{1cm}}$

16 $9 : 15 = \underline{\hspace{1cm}}$

17 $5 : 30 = \underline{\hspace{1cm}}$

18 $12 : 16 = \underline{\hspace{1cm}}$

19 $18 : 30 = \underline{\hspace{1cm}}$

20 $6 : 10 = \underline{\hspace{1cm}}$

21 $20 : 24 = \underline{\hspace{1cm}}$

22 $5 : 15 = \underline{\hspace{1cm}}$

23 $6 : 9 = \underline{\hspace{1cm}}$

24 $3 : 15 = \underline{\hspace{1cm}}$

25 $10 : 12 = \underline{\hspace{1cm}}$

26 $8 : 12 = \underline{\hspace{1cm}}$

27 $9 : 12 = \underline{\hspace{1cm}}$

28 $6 : 24 = \underline{\hspace{1cm}}$

29 $3 : 12 = \underline{\hspace{1cm}}$

30 $16 : 20 = \underline{\hspace{1cm}}$



Ratios — Solve a proportion

Name: _____

Date: _____



1 $1 : \underline{6} = 6 : 36$

2 $1 : \underline{\quad} = 5 : 30$

3 $1 : 5 = 2 : \underline{\quad}$

4 $3 : 5 = 9 : \underline{\quad}$

5 $1 : 3 = 8 : \underline{\quad}$

6 $1 : 3 = 5 : \underline{\quad}$

7 $4 : \underline{\quad} = 12 : 15$

8 $3 : 8 = 9 : \underline{\quad}$

9 $3 : 7 = 9 : \underline{\quad}$

10 $1 : \underline{\quad} = 7 : 35$

11 $4 : 5 = 24 : \underline{\quad}$

12 $3 : 7 = 15 : \underline{\quad}$

13 $5 : 8 = 30 : \underline{\quad}$

14 $3 : \underline{\quad} = 18 : 24$

15 $3 : \underline{\quad} = 18 : 42$

16 $1 : 3 = 4 : \underline{\quad}$

17 $3 : 4 = 15 : \underline{\quad}$

18 $1 : \underline{\quad} = 3 : 15$

19 $1 : \underline{\quad} = 7 : 28$

20 $1 : \underline{\quad} = 4 : 20$

21 $1 : 2 = 5 : \underline{\quad}$

22 $1 : 4 = 5 : \underline{\quad}$

23 $1 : 4 = 2 : \underline{\quad}$

24 $1 : 2 = 3 : \underline{\quad}$

25 $4 : 5 = 32 : \underline{\quad}$

26 $1 : \underline{\quad} = 2 : 6$

27 $4 : 5 = 16 : \underline{\quad}$

28 $5 : 6 = 25 : \underline{\quad}$

29 $3 : 5 = 6 : \underline{\quad}$

30 $2 : 3 = 6 : \underline{\quad}$



Ratios — Unit rate



Name: _____

Date: _____

1 \$4 for 2 = \$2 each

2 \$20 for 4 = ____ each

3 \$88 for 8 = ____ each

4 \$48 for 8 = ____ each

5 \$55 for 5 = ____ each

6 \$60 for 5 = ____ each

7 \$28 for 4 = ____ each

8 \$72 for 8 = ____ each

9 \$40 for 4 = ____ each

10 \$6 for 3 = ____ each

11 \$56 for 8 = ____ each

12 \$36 for 3 = ____ each

13 \$48 for 4 = ____ each

14 \$30 for 6 = ____ each

15 \$24 for 4 = ____ each

16 \$24 for 6 = ____ each

17 \$12 for 2 = ____ each

18 \$16 for 8 = ____ each

19 \$66 for 6 = ____ each

20 \$10 for 2 = ____ each

21 \$21 for 7 = ____ each

22 \$40 for 5 = ____ each

23 \$30 for 3 = ____ each

24 \$49 for 7 = ____ each

25 \$8 for 2 = ____ each

26 \$18 for 2 = ____ each

27 \$42 for 6 = ____ each

28 \$50 for 5 = ____ each

29 \$10 for 5 = ____ each

30 \$60 for 6 = ____ each



Ratios — Ratio as a percent



Name: _____

Date: _____

1 $19 : 50 = \underline{38} \%$

2 $3 : 25 = \underline{\quad} \%$

3 $4 : 5 = \underline{\quad} \%$

4 $4 : 50 = \underline{\quad} \%$

5 $1 : 2 = \underline{\quad} \%$

6 $38 : 50 = \underline{\quad} \%$

7 $19 : 20 = \underline{\quad} \%$

8 $10 : 25 = \underline{\quad} \%$

9 $24 : 50 = \underline{\quad} \%$

10 $24 : 25 = \underline{\quad} \%$

11 $6 : 25 = \underline{\quad} \%$

12 $20 : 25 = \underline{\quad} \%$

13 $13 : 25 = \underline{\quad} \%$

14 $29 : 50 = \underline{\quad} \%$

15 $8 : 50 = \underline{\quad} \%$

16 $5 : 25 = \underline{\quad} \%$

17 $27 : 50 = \underline{\quad} \%$

18 $2 : 20 = \underline{\quad} \%$

19 $7 : 25 = \underline{\quad} \%$

20 $1 : 25 = \underline{\quad} \%$

21 $19 : 25 = \underline{\quad} \%$

22 $8 : 20 = \underline{\quad} \%$

23 $8 : 25 = \underline{\quad} \%$

24 $9 : 50 = \underline{\quad} \%$

25 $10 : 20 = \underline{\quad} \%$

26 $48 : 50 = \underline{\quad} \%$

27 $25 : 50 = \underline{\quad} \%$

28 $31 : 50 = \underline{\quad} \%$

29 $17 : 50 = \underline{\quad} \%$

30 $5 : 50 = \underline{\quad} \%$



Power Pack · Ratio and rate drill — Answer key



Simplifying ratios

1. $6 : 15 = 2 : 5$

2. $6 : 36 = 1 : 6$

3. $8 : 20 = 2 : 5$

4. $6 : 12 = 1 : 2$

5. $15 : 35 = 3 : 7$

6. $12 : 30 = 2 : 5$

7. $4 : 8 = 1 : 2$

8. $2 : 6 = 1 : 3$

9. $8 : 10 = 4 : 5$

10. $2 : 8 = 1 : 4$

11. $15 : 20 = 3 : 4$

12. $15 : 25 = 3 : 5$

13. $12 : 18 = 2 : 3$

14. $15 : 24 = 5 : 8$

15. $9 : 21 = 3 : 7$

16. $9 : 15 = 3 : 5$

17. $5 : 30 = 1 : 6$

18. $12 : 16 = 3 : 4$

19. $18 : 30 = 3 : 5$

20. $6 : 10 = 3 : 5$

21. $20 : 24 = 5 : 6$

22. $5 : 15 = 1 : 3$

23. $6 : 9 = 2 : 3$

24. $3 : 15 = 1 : 5$

25. $10 : 12 = 5 : 6$

26. $8 : 12 = 2 : 3$

27. $9 : 12 = 3 : 4$

28. $6 : 24 = 1 : 4$

29. $3 : 12 = 1 : 4$

30. $16 : 20 = 4 : 5$

Equivalent ratios

1. $1 : 6 = 6 : 36$

2. $1 : 6 = 5 : 30$

3. $1 : 5 = 2 : 10$

4. $3 : 5 = 9 : 15$

5. $1 : 3 = 8 : 24$

6. $1 : 3 = 5 : 15$

7. $4 : 5 = 12 : 15$

8. $3 : 8 = 9 : 24$

9. $3 : 7 = 9 : 21$

10. $1 : 5 = 7 : 35$

11. $4 : 5 = 24 : 30$

12. $3 : 7 = 15 : 35$

13. $5 : 8 = 30 : 48$

14. $3 : 4 = 18 : 24$

15. $3 : 7 = 18 : 42$

16. $1 : 3 = 4 : 12$

17. $3 : 4 = 15 : 20$

18. $1 : 5 = 3 : 15$

19. $1 : 4 = 7 : 28$

20. $1 : 5 = 4 : 20$

21. $1 : 2 = 5 : 10$

22. $1 : 4 = 5 : 20$

23. $1 : 4 = 2 : 8$

24. $1 : 2 = 3 : 6$

25. $4 : 5 = 32 : 40$

26. $1 : 3 = 2 : 6$

27. $4 : 5 = 16 : 20$

28. $5 : 6 = 25 : 30$

29. $3 : 5 = 6 : 10$

30. $2 : 3 = 6 : 9$

Unit rates

1. \$4 for 2 = \$2 each

2. \$20 for 4 = \$5 each

3. \$88 for 8 = \$11 each

4. \$48 for 8 = \$6 each

5. \$55 for 5 = \$11 each

6. \$60 for 5 = \$12 each

7. \$28 for 4 = \$7 each

8. \$72 for 8 = \$9 each

9. \$40 for 4 = \$10 each

10. \$6 for 3 = \$2 each

11. \$56 for 8 = \$7 each

12. \$36 for 3 = \$12 each

13. \$48 for 4 = \$12 each

14. \$30 for 6 = \$5 each

15. \$24 for 4 = \$6 each

16. \$24 for 6 = \$4 each

17. \$12 for 2 = \$6 each

18. \$16 for 8 = \$2 each

19. \$66 for 6 = \$11 each

20. \$10 for 2 = \$5 each

21. \$21 for 7 = \$3 each

22. \$40 for 5 = \$8 each

23. \$30 for 3 = \$10 each

24. \$49 for 7 = \$7 each

Power Pack · Ratio and rate drill — Answer key



Unit rates

25. \$8 for 2 = \$4 each

26. \$18 for 2 = \$9 each

27. \$42 for 6 = \$7 each

28. \$50 for 5 = \$10 each

29. \$10 for 5 = \$2 each

30. \$60 for 6 = \$10 each

Ratios as percents

1. 19 : 50 = 38%

2. 3 : 25 = 12%

3. 4 : 5 = 80%

4. 4 : 50 = 8%

5. 1 : 2 = 50%

6. 38 : 50 = 76%

7. 19 : 20 = 95%

8. 10 : 25 = 40%

9. 24 : 50 = 48%

10. 24 : 25 = 96%

11. 6 : 25 = 24%

12. 20 : 25 = 80%

13. 13 : 25 = 52%

14. 29 : 50 = 58%

15. 8 : 50 = 16%

16. 5 : 25 = 20%

17. 27 : 50 = 54%

18. 2 : 20 = 10%

19. 7 : 25 = 28%

20. 1 : 25 = 4%

21. 19 : 25 = 76%

22. 8 : 20 = 40%

23. 8 : 25 = 32%

24. 9 : 50 = 18%

25. 10 : 20 = 50%

26. 48 : 50 = 96%

27. 25 : 50 = 50%

28. 31 : 50 = 62%

29. 17 : 50 = 34%

30. 5 : 50 = 10%