

# Math Sprints 5

507 A

Write the missing number.

First Half

1. $\frac{1}{2} = \frac{\quad}{4}$	13. $\frac{3}{8} = \frac{18}{\quad}$
2. $\frac{1}{4} = \frac{\quad}{8}$	14. $\frac{4}{6} = \frac{8}{\quad}$
3. $\frac{1}{3} = \frac{\quad}{9}$	15. $\frac{8}{9} = \frac{88}{\quad}$
4. $\frac{1}{5} = \frac{\quad}{20}$	16. $\frac{3}{7} = \frac{\quad}{63}$
5. $\frac{1}{2} = \frac{\quad}{18}$	17. $\frac{1}{8} = \frac{12}{\quad}$
6. $\frac{3}{10} = \frac{9}{\quad}$	18. $\frac{1}{4} = \frac{\quad}{32}$
7. $\frac{4}{8} = \frac{\quad}{16}$	19. $\frac{1}{2} = \frac{\quad}{100}$
8. $\frac{1}{2} = \frac{\quad}{20}$	20. $\frac{5}{11} = \frac{\quad}{77}$
9. $\frac{5}{7} = \frac{15}{\quad}$	21. $\frac{1}{7} = \frac{4}{\quad}$
10. $\frac{1}{8} = \frac{\quad}{32}$	22. $\frac{4}{9} = \frac{36}{\quad}$
11. $\frac{2}{3} = \frac{\quad}{9}$	23. $\frac{9}{10} = \frac{\quad}{100}$
12. $\frac{4}{5} = \frac{16}{\quad}$	24. $\frac{3}{16} = \frac{9}{\quad}$

# Math Sprints 5

507 A

Write the missing number.

Second Half

1. $\frac{1}{2} = \frac{\quad}{4}$	13. $\frac{3}{8} = \frac{\quad}{40}$
2. $\frac{1}{3} = \frac{\quad}{6}$	14. $\frac{9}{10} = \frac{63}{\quad}$
3. $\frac{1}{3} = \frac{\quad}{9}$	15. $\frac{5}{8} = \frac{\quad}{48}$
4. $\frac{1}{\quad} = \frac{3}{12}$	16. $\frac{3}{7} = \frac{\quad}{63}$
5. $\frac{1}{2} = \frac{6}{\quad}$	17. $\frac{1}{8} = \frac{12}{\quad}$
6. $\frac{2}{5} = \frac{4}{\quad}$	18. $\frac{1}{4} = \frac{\quad}{32}$
7. $\frac{4}{8} = \frac{\quad}{16}$	19. $\frac{1}{2} = \frac{\quad}{100}$
8. $\frac{\quad}{4} = \frac{9}{12}$	20. $\frac{4}{7} = \frac{20}{\quad}$
9. $\frac{3}{4} = \frac{21}{\quad}$	21. $\frac{6}{7} = \frac{\quad}{28}$
10. $\frac{3}{8} = \frac{\quad}{32}$	22. $\frac{4}{9} = \frac{36}{\quad}$
11. $\frac{1}{\quad} = \frac{7}{42}$	23. $\frac{5}{\quad} = \frac{45}{108}$
12. $\frac{4}{5} = \frac{16}{\quad}$	24. $\frac{7}{13} = \frac{28}{\quad}$

# Math Sprints 5

507 B

Write the missing number.

First Half

1. $\frac{1}{2} = \frac{\quad}{4}$	13. $\frac{1}{2} = \frac{\quad}{96}$
2. $\frac{1}{4} = \frac{\quad}{8}$	14. $\frac{2}{24} = \frac{1}{\quad}$
3. $\frac{1}{\quad} = \frac{3}{9}$	15. $\frac{8}{9} = \frac{88}{\quad}$
4. $\frac{\quad}{24} = \frac{1}{6}$	16. $\frac{3}{8} = \frac{\quad}{72}$
5. $\frac{1}{3} = \frac{\quad}{27}$	17. $\frac{8}{9} = \frac{\quad}{108}$
6. $\frac{5}{\quad} = \frac{1}{6}$	18. $\frac{1}{20} = \frac{\quad}{160}$
7. $\frac{16}{24} = \frac{\quad}{12}$	19. $\frac{1}{\quad} = \frac{9}{450}$
8. $\frac{21}{30} = \frac{7}{\quad}$	20. $\frac{5}{7} = \frac{\quad}{49}$
9. $\frac{2}{3} = \frac{14}{\quad}$	21. $\frac{7}{12} = \frac{\quad}{48}$
10. $\frac{1}{12} = \frac{\quad}{48}$	22. $\frac{9}{12} = \frac{\quad}{108}$
11. $\frac{\quad}{11} = \frac{12}{22}$	23. $\frac{1}{5} = \frac{18}{\quad}$
12. $\frac{5}{8} = \frac{\quad}{32}$	24. $\frac{36}{\quad} = \frac{3}{4}$

# Math Sprints 5

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Write the missing number.

Second Half

1. $\frac{1}{2} = \frac{\quad}{4}$	13. $\frac{1}{2} = \frac{\quad}{30}$
2. $\frac{2}{4} = \frac{1}{\quad}$	14. $\frac{9}{10} = \frac{63}{\quad}$
3. $\frac{1}{\quad} = \frac{3}{9}$	15. $\frac{5}{9} = \frac{\quad}{54}$
4. $\frac{1}{5} = \frac{\quad}{20}$	16. $\frac{3}{8} = \frac{\quad}{72}$
5. $\frac{3}{4} = \frac{9}{\quad}$	17. $\frac{8}{9} = \frac{\quad}{108}$
6. $\frac{2}{20} = \frac{1}{\quad}$	18. $\frac{1}{20} = \frac{\quad}{160}$
7. $\frac{16}{24} = \frac{\quad}{12}$	19. $\frac{1}{\quad} = \frac{9}{450}$
8. $\frac{2}{\quad} = \frac{12}{18}$	20. $\frac{6}{7} = \frac{30}{\quad}$
9. $\frac{5}{7} = \frac{20}{\quad}$	21. $\frac{3}{12} = \frac{\quad}{96}$
10. $\frac{3}{12} = \frac{\quad}{48}$	22. $\frac{9}{12} = \frac{\quad}{108}$
11. $\frac{\quad}{12} = \frac{12}{24}$	23. $\frac{5}{\quad} = \frac{45}{108}$
12. $\frac{5}{8} = \frac{\quad}{32}$	24. $\frac{9}{13} = \frac{36}{\quad}$

# Math Sprints 5

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Add. Answer should be in simplest form.

First Half

1. $\frac{1}{9} + \frac{4}{9} =$	11. $\frac{1}{2} + \frac{1}{8} =$
2. $\frac{1}{5} + \frac{2}{5} =$	12. $\frac{1}{7} + \frac{3}{14} =$
3. $\frac{1}{6} + \frac{1}{3} =$	13. $\frac{2}{9} + \frac{1}{3} =$
4. $\frac{3}{4} + \frac{1}{4} =$	14. $\frac{2}{5} + \frac{6}{10} =$
5. $\frac{1}{8} + \frac{1}{4} =$	15. $\frac{2}{16} + \frac{3}{8} =$
6. $\frac{1}{8} + \frac{1}{8} =$	16. $\frac{3}{10} + \frac{9}{30} =$
7. $\frac{1}{3} + \frac{2}{3} =$	17. $\frac{3}{8} + \frac{1}{16} =$
8. $\frac{14}{16} + \frac{1}{8} =$	18. $\frac{5}{12} + \frac{10}{24} =$
9. $\frac{1}{5} + \frac{1}{10} =$	19. $\frac{1}{8} + \frac{2}{16} =$
10. $\frac{2}{14} + \frac{5}{7} =$	20. $\frac{1}{12} + \frac{3}{36} =$

# Math Sprints 5

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Add. Answer should be in simplest form.

Second Half

1.	$\frac{1}{2} + \frac{1}{2} =$	11.	$\frac{2}{4} + \frac{1}{8} =$
2.	$\frac{1}{4} + \frac{2}{4} =$	12.	$\frac{2}{3} + \frac{3}{12} =$
3.	$\frac{1}{3} + \frac{1}{3} =$	13.	$\frac{3}{5} + \frac{2}{10} =$
4.	$\frac{3}{4} + \frac{1}{4} =$	14.	$\frac{2}{5} + \frac{6}{10} =$
5.	$\frac{7}{16} + \frac{3}{16} =$	15.	$\frac{1}{18} + \frac{4}{9} =$
6.	$\frac{1}{8} + \frac{1}{4} =$	16.	$\frac{3}{10} + \frac{9}{30} =$
7.	$\frac{1}{3} + \frac{1}{9} =$	17.	$\frac{3}{7} + \frac{5}{21} =$
8.	$\frac{14}{16} + \frac{1}{8} =$	18.	$\frac{5}{12} + \frac{10}{24} =$
9.	$\frac{2}{3} + \frac{2}{3} =$	19.	$\frac{1}{8} + \frac{2}{16} =$
10.	$\frac{4}{14} + \frac{4}{7} =$	20.	$\frac{1}{12} + \frac{3}{36} =$

## Math Sprints 5

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Add. Answer should be in simplest form.

First Half

1. $\frac{1}{9} + \frac{4}{9} =$	11. $\frac{3}{16} + \frac{3}{16} + \frac{1}{4} =$
2. $\frac{1}{5} + \frac{2}{5} =$	12. $\frac{2}{7} + \frac{1}{14} =$
3. $\frac{1}{7} + \frac{5}{14} =$	13. $\frac{4}{18} + \frac{3}{9} =$
4. $\frac{4}{5} + \frac{1}{10} + \frac{1}{10} =$	14. $\frac{1}{2} + \frac{1}{6} + \frac{1}{3} =$
5. $\frac{3}{16} + \frac{3}{16} =$	15. $\frac{1}{9} + \frac{7}{18} =$
6. $\frac{3}{16} + \frac{1}{16} =$	16. $\frac{2}{5} + \frac{1}{10} + \frac{1}{10} =$
7. $\frac{10}{24} + \frac{7}{12} =$	17. $\frac{1}{4} + \frac{1}{8} + \frac{1}{16} =$
8. $\frac{7}{8} + \frac{1}{16} + \frac{1}{16} =$	18. $\frac{5}{12} + \frac{2}{24} + \frac{1}{3} =$
9. $\frac{1}{5} + \frac{1}{10} =$	19. $\frac{1}{12} + \frac{2}{24} + \frac{3}{36} =$
10. $\frac{2}{7} + \frac{8}{14} =$	20. $\frac{1}{12} + \frac{1}{24} + \frac{2}{48} =$

# Math Sprints 5

508 B

Add. Answer should be in simplest form.

Second Half

1.	$\frac{1}{2} + \frac{1}{2} =$	11.	$\frac{2}{16} + \frac{4}{16} + \frac{1}{4} =$
2.	$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$	12.	$\frac{1}{3} + \frac{1}{2} + \frac{1}{12} =$
3.	$\frac{2}{6} + \frac{1}{3} =$	13.	$\frac{2}{5} + \frac{6}{15} =$
4.	$\frac{4}{5} + \frac{1}{10} + \frac{1}{10} =$	14.	$\frac{1}{2} + \frac{1}{6} + \frac{1}{3} =$
5.	$\frac{10}{24} + \frac{5}{24} =$	15.	$\frac{7}{18} + \frac{1}{9} =$
6.	$\frac{4}{16} + \frac{2}{16} =$	16.	$\frac{2}{5} + \frac{1}{10} + \frac{1}{10} =$
7.	$\frac{2}{6} + \frac{1}{9} =$	17.	$\frac{1}{3} + \frac{1}{7} + \frac{4}{21} =$
8.	$\frac{7}{8} + \frac{2}{16} =$	18.	$\frac{5}{12} + \frac{2}{24} + \frac{1}{3} =$
9.	$\frac{1}{3} + \frac{1}{3} + \frac{2}{3} =$	19.	$\frac{1}{12} + \frac{2}{24} + \frac{3}{36} =$
10.	$\frac{3}{7} + \frac{6}{14} =$	20.	$\frac{1}{24} + \frac{6}{48} =$



## Math Sprints 5

509 B

Subtract. Answer should be in simplest form.

First Half

1. $1\frac{1}{2} - \frac{3}{4} =$	13. $\frac{4}{5} - \frac{1}{4} =$
2. $\frac{4}{5} - \frac{3}{10} =$	14. $1\frac{3}{7} - \frac{3}{5} =$
3. $1\frac{1}{6} - \frac{7}{12} =$	15. $1\frac{5}{8} - \frac{9}{20} =$
4. $1\frac{1}{3} - \frac{7}{12} =$	16. $2\frac{1}{4} - \frac{2}{3} =$
5. $\frac{8}{9} - \frac{3}{18} =$	17. $\frac{5}{6} - \frac{13}{33} =$
6. $1\frac{3}{5} - \frac{9}{10} =$	18. $\frac{7}{8} - \frac{1}{5} =$
7. $1\frac{3}{4} - \frac{5}{8} =$	19. $1\frac{3}{10} - \frac{7}{12} =$
8. $1\frac{2}{3} - \frac{2}{5} =$	20. $2\frac{1}{10} - \frac{11}{15} =$
9. $1\frac{1}{3} - \frac{5}{7} =$	21. $1\frac{5}{6} - \frac{2}{9} =$
10. $1\frac{1}{6} - \frac{7}{30} =$	22. $\frac{7}{8} - \frac{1}{3} =$
11. $1\frac{3}{8} - \frac{23}{24} =$	23. $\frac{7}{8} - \frac{1}{12} =$
12. $1\frac{8}{9} - \frac{1}{2} =$	24. $1\frac{9}{30} - \frac{5}{6} =$

# Math Sprints 5

509 B

Subtract. Answer should be in simplest form.

Second Half

1. $1\frac{1}{2} - \frac{3}{4} =$	13. $\frac{4}{5} - \frac{1}{4} =$
2. $1 - \frac{2}{12} =$	14. $1\frac{11}{12} - \frac{3}{4} =$
3. $1\frac{1}{6} - \frac{7}{12} =$	15. $1\frac{5}{8} - \frac{9}{20} =$
4. $1\frac{1}{3} - \frac{7}{9} =$	16. $1\frac{1}{4} - \frac{1}{6} =$
5. $\frac{8}{9} - \frac{3}{18} =$	17. $\frac{5}{6} - \frac{13}{33} =$
6. $1\frac{2}{5} - \frac{7}{10} =$	18. $1\frac{3}{10} - \frac{3}{4} =$
7. $1\frac{3}{4} - \frac{5}{8} =$	19. $1\frac{3}{10} - \frac{7}{12} =$
8. $1\frac{1}{3} - \frac{3}{5} =$	20. $2\frac{1}{30} - \frac{4}{5} =$
9. $1\frac{1}{3} - \frac{5}{7} =$	21. $1\frac{5}{6} - \frac{2}{9} =$
10. $1\frac{1}{2} - \frac{2}{5} =$	22. $3\frac{4}{9} - \frac{2}{3} =$
11. $1\frac{3}{8} - \frac{23}{24} =$	23. $\frac{7}{8} - \frac{1}{12} =$
12. $1\frac{1}{9} - \frac{1}{2} =$	24. $1\frac{9}{30} - \frac{5}{6} =$

# Math Sprints 5

510 A

Multiply. Answer should be in simplest form.

First Half

1. $\frac{1}{2} \times 2 =$	16. $8 \times \frac{3}{4} =$
2. $\frac{1}{4} \times 2 =$	17. $\frac{3}{8} \times 4 =$
3. $\frac{1}{2} \times 3 =$	18. $\frac{2}{7} \times 6 =$
4. $\frac{1}{5} \times 4 =$	19. $9 \times \frac{1}{6} =$
5. $\frac{1}{8} \times 3 =$	20. $\frac{3}{10} \times 7 =$
6. $\frac{1}{12} \times 4 =$	21. $8 \times \frac{4}{9} =$
7. $\frac{1}{11} \times 22 =$	22. $7 \times \frac{5}{6} =$
8. $\frac{2}{3} \times 4 =$	23. $\frac{6}{7} \times 5 =$
9. $2 \times \frac{2}{5} =$	24. $12 \times \frac{8}{9} =$
10. $3 \times \frac{3}{4} =$	25. $\frac{7}{10} \times 8 =$
11. $\frac{1}{5} \times 6 =$	26. $8 \times \frac{2}{9} =$
12. $4 \times \frac{3}{5} =$	27. $\frac{3}{8} \times 9 =$
13. $5 \times \frac{3}{7} =$	28. $12 \times \frac{5}{9} =$
14. $\frac{3}{5} \times 6 =$	29. $1\frac{2}{3} \times 5 =$
15. $3 \times \frac{2}{3} =$	30. $1\frac{2}{7} \times 9 =$

## Math Sprints 5

510 A

Multiply. Answer should be in simplest form.

Second Half

1.	$\frac{1}{2} \times 2 =$	16.	$10 \times \frac{3}{5} =$
2.	$\frac{1}{4} \times 3 =$	17.	$\frac{3}{8} \times 4 =$
3.	$\frac{1}{2} \times 3 =$	18.	$\frac{2}{7} \times 6 =$
4.	$\frac{1}{5} \times 2 =$	19.	$9 \times \frac{2}{6} =$
5.	$\frac{1}{8} \times 4 =$	20.	$\frac{4}{9} \times 8 =$
6.	$\frac{1}{12} \times 3 =$	21.	$7 \times \frac{3}{10} =$
7.	$\frac{1}{5} \times 10 =$	22.	$7 \times \frac{5}{6} =$
8.	$\frac{2}{3} \times 4 =$	23.	$\frac{5}{7} \times 6 =$
9.	$2 \times \frac{3}{5} =$	24.	$12 \times \frac{8}{9} =$
10.	$3 \times \frac{3}{4} =$	25.	$\frac{8}{10} \times 7 =$
11.	$\frac{1}{5} \times 6 =$	26.	$8 \times \frac{2}{9} =$
12.	$5 \times \frac{1}{3} =$	27.	$\frac{5}{9} \times 12 =$
13.	$4 \times \frac{3}{7} =$	28.	$9 \times \frac{3}{8} =$
14.	$\frac{3}{5} \times 6 =$	29.	$1\frac{2}{3} \times 5 =$
15.	$5 \times \frac{2}{5} =$	30.	$1\frac{2}{7} \times 9 =$

# Math Sprints 5

511 A

Multiply. Answer should be in simplest form.

First Half

1.	$\frac{1}{2} \times \frac{1}{2} =$	12.	$\frac{1}{6} \times \frac{5}{6} =$
2.	$\frac{1}{2} \times \frac{1}{4} =$	13.	$\frac{2}{3} \times \frac{4}{5} =$
3.	$\frac{1}{2} \times \frac{3}{4} =$	14.	$\frac{1}{2} \times \frac{5}{4} =$
4.	$\frac{3}{5} \times \frac{1}{2} =$	15.	$\frac{5}{6} \times \frac{1}{5} =$
5.	$\frac{4}{5} \times \frac{1}{2} =$	16.	$\frac{3}{4} \times \frac{5}{6} =$
6.	$\frac{1}{3} \times \frac{1}{4} =$	17.	$\frac{5}{8} \times \frac{4}{9} =$
7.	$\frac{2}{3} \times \frac{1}{4} =$	18.	$\frac{3}{8} \times \frac{16}{17} =$
8.	$\frac{2}{3} \times \frac{3}{4} =$	19.	$\frac{2}{3} \times \frac{9}{10} =$
9.	$\frac{1}{5} \times \frac{1}{3} =$	20.	$\frac{5}{6} \times \frac{7}{10} =$
10.	$\frac{1}{5} \times \frac{2}{3} =$	21.	$\frac{4}{15} \times \frac{8}{4} =$
11.	$\frac{3}{5} \times \frac{1}{3} =$	22.	$\frac{3}{4} \times \frac{16}{27} =$

# Math Sprints 5

511 A

Multiply. Answer should be in simplest form.

Second Half

1.	$\frac{1}{2} \times \frac{1}{2} =$	12.	$\frac{1}{10} \times \frac{5}{6} =$
2.	$\frac{1}{2} \times \frac{1}{3} =$	13.	$\frac{2}{3} \times \frac{4}{5} =$
3.	$\frac{1}{2} \times \frac{2}{4} =$	14.	$\frac{1}{2} \times \frac{5}{4} =$
4.	$\frac{4}{5} \times \frac{1}{2} =$	15.	$\frac{5}{6} \times \frac{2}{5} =$
5.	$\frac{4}{5} \times \frac{1}{4} =$	16.	$\frac{3}{5} \times \frac{5}{6} =$
6.	$\frac{1}{3} \times \frac{1}{4} =$	17.	$\frac{3}{4} \times \frac{5}{6} =$
7.	$\frac{2}{3} \times \frac{2}{4} =$	18.	$\frac{3}{8} \times \frac{16}{21} =$
8.	$\frac{2}{3} \times \frac{3}{4} =$	19.	$\frac{2}{3} \times \frac{9}{10} =$
9.	$\frac{1}{5} \times \frac{1}{4} =$	20.	$\frac{5}{6} \times \frac{7}{25} =$
10.	$\frac{1}{5} \times \frac{3}{4} =$	21.	$\frac{4}{15} \times \frac{8}{4} =$
11.	$\frac{3}{5} \times \frac{2}{3} =$	22.	$\frac{3}{4} \times \frac{20}{27} =$