

Fractions Made Easy (Grade 4) – Answer Key

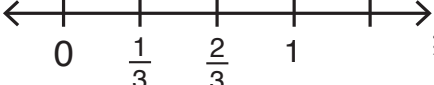
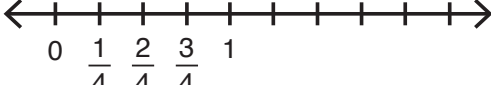
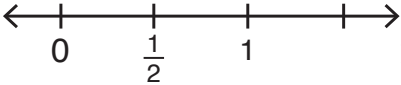
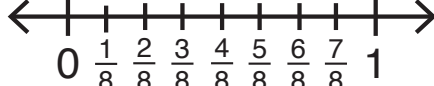
Page 1

- 4; 3; $\frac{3}{4}$
- $\frac{5}{8}$; five-eighths
- 

Page 2

- $\frac{4}{4}$
 - $\frac{8}{8}$
- 1st row: $\frac{1}{8}$
- 2nd row: $\frac{2}{6}$
- 3rd row: 7; $\frac{1}{8}$
- 4th row: 3, $\frac{1}{3}$, $\frac{1}{3}$
- 5th row: $\frac{3}{4}$

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- a. $\frac{1}{3}$; b, d. ; c. 3
- a. $\frac{1}{4}$ b, d. ; c. 4
- a. $\frac{1}{2}$; b, d. ; c. 2
- a. $\frac{1}{8}$; b, d. ; c. 8

Page 4

1st row: 6; 6; 6
 2nd row: 1; 3; 2
 3rd row: 2; 1; 8
 4th row: 2, 4, 1
 5th row: 4, 2, 8

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4; 1; 4

Page 10

1st row: =; =
 2nd row: <; =
 3rd row: >; =

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1st row: =; <; <
 2nd row: <; >; =
 3rd row: >; =; >
 4th row: >; =; >
 5th row: =; >; <
 6th row: =; =; <

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1st row: <; =; >
 2nd row: <; =; <
 3rd row: >; >; <
 4th row: <; =; =
 5th row: =; >; <
 6th row: <; =; =

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1st row: <; =; =
 2nd row: =; =; <
 3rd row: =; >; >
 4th row: <; >; >
 5th row: <; =; >
 6th row: >; =; =

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(Answers in red)

1st row: $\frac{1}{1} = \frac{2}{2} = \frac{3}{3} = \frac{4}{4} = \frac{5}{5} = \frac{6}{6} = \frac{8}{8} = \frac{10}{10} = \frac{12}{12}$

2nd row: $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12}$

3rd row (left): $\frac{1}{3} = \frac{2}{6} = \frac{4}{12}$

3rd row (right): $\frac{2}{3} = \frac{4}{6} = \frac{8}{12}$

4th row (left): $\frac{1}{4} = \frac{2}{8} = \frac{3}{12}$

4th row (right): $\frac{3}{4} = \frac{6}{8} = \frac{9}{12}$

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1st row (left): $\frac{2}{10}$

1st row (right): $\frac{4}{10}$

2nd row (left): $\frac{6}{10}$

2nd row (right): $\frac{8}{10}$

3rd row (left): $\frac{2}{12}$

3rd row (right): $\frac{4}{12}$

4th row (left): $\frac{8}{12}$

4th row (right): $\frac{10}{12}$

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1st row: no; yes

2nd row: no; yes

3rd row: no; no

4th row: yes; no

5th row: no; no

6th row: yes; yes

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No; yes

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No; yes; $\frac{4}{8}, \frac{4}{8}, \frac{4}{8}, \frac{4}{8} > \frac{3}{8}$

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No; yes; $\frac{2}{8}, \frac{2}{8}, \frac{2}{8}, \frac{2}{8} < \frac{5}{8}$

Page 22

No; yes; $\frac{3}{6}, \frac{3}{6}, \frac{3}{6}, \frac{3}{6} = \frac{3}{6}$

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No; yes; $\frac{9}{12}, \frac{9}{12}, \frac{9}{12}, \frac{9}{12} > \frac{5}{12}$

Page 24

No; yes; $\frac{2}{8}, \frac{2}{8}, \frac{2}{8} < \frac{6}{8}$

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No; yes; $\frac{4}{10}, \frac{4}{10}, \frac{4}{10}, \frac{4}{10} < \frac{7}{10}$

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No; yes; $\frac{4}{12}, \frac{4}{12}, \frac{4}{12}, \frac{4}{12} = \frac{4}{12}$

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No; yes; $\frac{5}{10}, \frac{5}{10}, \frac{5}{10}, \frac{5}{10} = \frac{5}{10}$

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No; yes; $\frac{6}{6}, \frac{6}{6}, \frac{6}{6}, \frac{6}{6} > \frac{4}{6}$

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No; no; no; yes

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No; no; no; yes; $12, \frac{4}{12}, \frac{3}{12}, \frac{4}{12} > \frac{3}{12}$ or $\frac{3}{12} < \frac{4}{12}$

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No; no; no; yes; $12, \frac{8}{12}, \frac{9}{12}, \frac{8}{12} < \frac{9}{12}$ or $\frac{9}{12} > \frac{8}{12}$

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No; no; no; yes; $10, \frac{5}{10}, \frac{8}{10}, \frac{5}{10} < \frac{8}{10}$ or $\frac{8}{10} > \frac{5}{10}$

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No; no; no; yes; $10, \frac{4}{10}, \frac{5}{10}, \frac{4}{10} < \frac{5}{10}$ or $\frac{5}{10} > \frac{4}{10}$

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No; no; no; yes; 12; $\frac{8}{12}$; $\frac{6}{12}$; $\frac{8}{12} > \frac{6}{12}$ or $\frac{6}{12} < \frac{8}{12}$

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1. b; 2. c; 3. c; 4. c

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1. $\frac{1}{8}, \frac{1}{8}$
2. $\frac{1}{6}$
3. $\frac{1}{12}, \frac{1}{12}, \frac{1}{12}, \frac{1}{12}$
4. $\frac{1}{3}$
5. $\frac{1}{4}, \frac{1}{4}$
6. $\frac{1}{5}, \frac{1}{5}, \frac{1}{5}$
7. $\frac{1}{10}, \frac{1}{10}, \frac{1}{10}, \frac{1}{10}, \frac{1}{10}$

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2. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$
3. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$
4. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
5. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}$
6. $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$
7. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}$
8. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

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2. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}; \frac{5}{6}$
3. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}; \frac{5}{10}$
4. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}; \frac{3}{4}$

5. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}; \frac{4}{8}$

6. $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}; \frac{6}{12}$

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2. $\frac{4}{12}$
3. $\frac{5}{6}$
4. $\frac{6}{10}$
5. $\frac{9}{12}$
6. $\frac{7}{8}$
7. $\frac{6}{12}$
8. $\frac{9}{10}$
9. $\frac{5}{5}$

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1. No
2. Yes
3. Yes
4. No
5. No
6. Yes
7. Yes
8. c

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2. $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}; 5, \frac{7}{12}; \frac{2}{12}$

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1. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10}; 3, \frac{7}{10}; \frac{4}{10}$
2. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8}; 1, \frac{3}{8}; \frac{2}{8}$
3. $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}; 2, \frac{5}{6}; \frac{3}{6}$

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1. $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}; 4, \frac{5}{12}; \frac{1}{12}$
2. $\frac{1}{2} + \frac{1}{2}, 1, \frac{2}{2}; \frac{1}{2}$
3. $\frac{1}{3} + \frac{1}{3}; 1, \frac{2}{3}; \frac{1}{3}$

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Sample answers:

2. $\frac{4}{12} + \frac{3}{12}, \frac{5}{12} + \frac{2}{12}, \frac{6}{12} + \frac{1}{12}$
3. $\frac{1}{10} + \frac{1}{10} + \frac{1}{10}, \frac{2}{10} + \frac{3}{10}, \frac{4}{10} + \frac{1}{10}$
4. $\frac{6}{12} + \frac{5}{12}, \frac{8}{12} + \frac{3}{12}, \frac{4}{12} + \frac{4}{12} + \frac{3}{12}$

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Sample answers:

1. $\frac{6}{12} + \frac{3}{12}, \frac{4}{12} + \frac{3}{12} + \frac{2}{12}, \frac{1}{12} + \frac{8}{12}$
2. $\frac{3}{6} + \frac{2}{6}, \frac{4}{6} + \frac{1}{6}, \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{2}{6}$
3. $\frac{4}{8} + \frac{4}{8}, \frac{6}{8} + \frac{2}{8}, \frac{3}{8} + \frac{5}{8}$
4. $\frac{3}{10} + \frac{3}{10} + \frac{3}{10}, \frac{8}{10} + \frac{1}{10}, \frac{5}{10} + \frac{4}{10}$
5. $\frac{5}{12} + \frac{5}{12}, \frac{6}{12} + \frac{4}{12}, \frac{7}{12} + \frac{1}{12} + \frac{2}{12}$

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2. $\frac{16}{6}$
3. $\frac{41}{12}$

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1. $\frac{4}{4}, \frac{1}{4}, \frac{9}{4}$
2. $\frac{10}{10}, \frac{9}{10}, \frac{19}{10}$
3. $\frac{12}{12}, \frac{7}{12}, \frac{19}{12}$

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1. $\frac{7}{3}$
2. $\frac{17}{5}$
3. $\frac{9}{2}$
4. $\frac{13}{6}$
5. $\frac{17}{3}$
6. $\frac{43}{10}$
7. $\frac{31}{12}$

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2. $\frac{7}{4}, 1\frac{3}{4}$
3. $\frac{5}{2}, 2\frac{1}{2}$
4. $\frac{8}{6}, 1\frac{2}{6}$
5. $\frac{8}{5}, 1\frac{3}{5}$
6. $\frac{16}{12}, 1\frac{4}{12}$
7. $\frac{13}{10}, 1\frac{3}{10}$

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2. $1 + 1 + \frac{2}{3}, 2\frac{2}{3}$
3. $1 + 1 + \frac{4}{5}, 2\frac{4}{5}$
4. $1 + 1 + \frac{7}{8}, 2\frac{7}{8}$
5. $1 + 1 + \frac{11}{12}, 2\frac{11}{12}$
6. $1 + 1 + \frac{9}{10}, 2\frac{9}{10}$
7. $1 + 1 + \frac{5}{6}, 2\frac{5}{6}$

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2. $4\frac{2}{3}$
3. $3\frac{2}{5}$
4. $2\frac{3}{8}$
5. $3\frac{5}{12}$
6. $4\frac{7}{10}$
7. 5

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2. $2\frac{1}{3}$
3. $1\frac{2}{8}$
4. $\frac{4}{6}$
5. $2\frac{4}{12}$
6. $1\frac{5}{10}$
7. $1\frac{3}{12}$
8. $2\frac{1}{10}$
9. $1\frac{2}{6}$

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2. $1\frac{1}{5}$ 3. $1\frac{1}{8}$
4. $\frac{4}{6}$ 5. $1\frac{3}{12}$
6. $1\frac{1}{10}$ 7. $1\frac{2}{8}$

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2. $\frac{6}{8}$
3. 1 mile

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2. $\frac{3}{8}$ of a yard
3. $\frac{7}{10}$
4. $\frac{3}{5}$

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(Answers in red)

$$2. \quad \frac{1}{3} + \frac{1}{\textcolor{red}{3}} + \frac{1}{\textcolor{red}{3}} \quad \bigcirc \quad \frac{1}{6} + \frac{1}{\textcolor{red}{6}} + \frac{1}{\textcolor{red}{6}} + \frac{1}{\textcolor{red}{6}} + \frac{1}{\textcolor{red}{6}} + \frac{1}{\textcolor{red}{6}} \\ \frac{\textcolor{red}{3}}{\textcolor{red}{3}} \quad \big(= \quad \frac{\textcolor{red}{6}}{\textcolor{red}{6}}$$

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1. $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}$
2. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
3. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}, \frac{4}{4}$
4. No; add the numerators.
5. $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}; 7, \frac{1}{12}; \frac{1}{12}$

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6. Sample answer: $\frac{3}{10} + \frac{4}{10}, \frac{6}{10} + \frac{1}{10}, \frac{2}{10} + \frac{5}{10}$
7. $\frac{21}{8}$
8. c
9. c
10. b

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1. $\frac{12}{3}$
2. $\frac{2}{3}$
3. $\frac{6}{5}$
4. $\frac{10}{6}$
5. $\frac{4}{2}$

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2. $\frac{2}{1} \times \frac{5}{12}$
3. $\frac{3}{1} \times \frac{7}{10}$
4. $\frac{3}{1} \times \frac{7}{8}$
5. $\frac{4}{1} \times \frac{9}{10}$

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2. $\frac{2}{1} \times \frac{1}{5}$ 3. $\frac{2}{1} \times \frac{2}{8}$
4. $\frac{6}{1} \times \frac{1}{4}$ 5. $\frac{3}{1} \times \frac{1}{5}$
6. $\frac{4}{1} \times \frac{1}{3}$ 7. $\frac{1}{1} \times \frac{3}{6}$
8. $\frac{5}{1} \times \frac{1}{8}$ 9. $2, \frac{2}{1} \times \frac{1}{5}$
10. $3, \frac{3}{1} \times \frac{2}{6}$

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2. $\frac{2}{1} \times \frac{1}{5}; \frac{1}{5} + \frac{1}{5}; \frac{2}{5}; \frac{2}{5}$

3. $\frac{4}{1} \times \frac{1}{8}; \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}; \frac{4}{8}; \frac{4}{8}$

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1. $\frac{3}{1} \times \frac{2}{5}; \frac{2}{5} + \frac{2}{5} + \frac{2}{5}; \frac{6}{5}; \frac{6}{5}$

2. $\frac{4}{1} \times \frac{1}{12}; \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12}; \frac{4}{12}; \frac{4}{12}$

3. $\frac{5}{1} \times \frac{1}{6}; \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6}; \frac{5}{6}; \frac{5}{6}$

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2. $\frac{2}{1} \times \frac{2}{3}; \frac{2}{3} + \frac{2}{3}; \frac{4}{3}; \frac{4}{3}$

3. $\frac{4}{1} \times \frac{2}{5}; \frac{2}{5} + \frac{2}{5} + \frac{2}{5} + \frac{2}{5}; \frac{8}{5}; \frac{8}{5}$

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1. $\frac{3}{1} \times \frac{1}{3}; \frac{1}{3} + \frac{1}{3} + \frac{1}{3}; \frac{3}{3}; \frac{3}{3}$

2. $\frac{4}{1} \times \frac{2}{6}; \frac{2}{6} + \frac{2}{6} + \frac{2}{6} + \frac{2}{6}; \frac{8}{6}; \frac{8}{6}$

3. $\frac{3}{1} \times \frac{2}{4}; \frac{2}{4} + \frac{2}{4} + \frac{2}{4}; \frac{6}{4}; \frac{6}{4}$

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1. $\frac{7}{1} \times \frac{1}{5}; \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}; \frac{7}{5}; \frac{7}{5}$

2. $\frac{2}{1} \times \frac{5}{12}; \frac{5}{12} + \frac{5}{12}; \frac{10}{12}; \frac{10}{12}$

3. $\frac{3}{1} \times \frac{1}{10}; \frac{1}{10} + \frac{1}{10} + \frac{1}{10}; \frac{3}{10}; \frac{3}{10}$

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2. $\frac{5}{1} \times \frac{1}{2}; \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}; \frac{5}{2}; \frac{5}{2}, \frac{2}{2} + \frac{2}{2} + \frac{1}{2},$

$2\frac{1}{2}$

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1. $\frac{3}{1} \times \frac{3}{4}; \frac{3}{4} + \frac{3}{4} + \frac{3}{4}; \frac{9}{4}, \frac{4}{4} + \frac{4}{4} + \frac{1}{4}, 2\frac{1}{4}$

2. $\frac{7}{1} \times \frac{3}{5}; \frac{3}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5}; \frac{21}{5}; \frac{21}{5},$

$\frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{1}{5}; 4\frac{1}{5}$

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1. $\frac{9}{1} \times \frac{1}{8}; \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8},$

$\frac{10}{8}; \frac{10}{8}, \frac{8}{8} + \frac{2}{8}, 1\frac{2}{8}$

2. $\frac{7}{1} \times \frac{2}{3}; \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3}; \frac{14}{3}; \frac{14}{3},$

$\frac{3}{3} + \frac{3}{3} + \frac{3}{3} + \frac{3}{3} + \frac{2}{3}, 4\frac{2}{3}$

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(Answers in red)

1. $\frac{2}{3} + \frac{2}{3} + \frac{2}{3} \bigcirc \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$
 $\frac{6}{3} \bigcirc \frac{6}{2}$

2. $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} \bigcirc \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$
 $\frac{9}{4} \bigcirc \frac{5}{2}$
 $\frac{4}{4} + \frac{4}{4} + \frac{1}{4} \bigcirc \frac{2}{2} + \frac{2}{2} + \frac{1}{2}$
 $2\frac{1}{4} \bigcirc 2\frac{1}{2}$