

Problem Set

- Number line marked 0 and 1 on top and $\frac{0}{2}, \frac{1}{2}, \frac{2}{2}$ on the bottom; $\frac{2}{4}$ shaded; $\frac{3}{6}$ shaded, $\frac{1}{2} = \frac{1 \times 3}{2 \times 3} = \frac{3}{6}$, $\frac{4}{8}$ shaded, $\frac{1}{2} = \frac{1 \times 4}{2 \times 4} = \frac{4}{8}$; $\frac{5}{10}$ shaded, $\frac{1}{2} = \frac{1 \times 5}{2 \times 5} = \frac{5}{10}$
- Number line marked 0 and 1 on top and $\frac{0}{3}, \frac{1}{3}, \frac{2}{3}, \frac{3}{3}$ on the bottom; $\frac{2}{6}$ shaded, $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$; $\frac{3}{9}$ shaded, $\frac{1}{3} = \frac{1 \times 3}{3 \times 3} = \frac{3}{9}$; $\frac{4}{12}$ shaded, $\frac{1}{3} = \frac{1 \times 4}{3 \times 4} = \frac{4}{12}$; $\frac{5}{15}$ shaded, $\frac{1}{3} = \frac{1 \times 5}{3 \times 5} = \frac{5}{15}$
- Number line marked 0 and 1 on top and $\frac{0}{4}, \frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{4}{4}$ on the bottom; $\frac{6}{8}$ shaded, $\frac{3}{4} = \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$; $\frac{9}{12}$ shaded, $\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$; $\frac{12}{16}$ shaded, $\frac{3}{4} = \frac{3 \times 4}{4 \times 4} = \frac{12}{16}$; $\frac{15}{20}$ shaded, $\frac{3}{4} = \frac{3 \times 5}{4 \times 5} = \frac{15}{20}$
- Number line marked 0 and 1 on top and $\frac{0}{5}, \frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}, \frac{5}{5}, \frac{6}{5}, \frac{7}{5}$ on the bottom; examples may vary.

Exit Ticket

Number line marked 0 and 1 on top and $\frac{0}{6}, \frac{1}{6}, \frac{2}{6}, \frac{3}{6}, \frac{4}{6}, \frac{5}{6}, \frac{6}{6}$ on the bottom; $\frac{2}{12}$ shaded; $\frac{3}{18}$ shaded, $\frac{1}{6} = \frac{1 \times 3}{6 \times 3} = \frac{3}{18}$; $\frac{4}{24}$ shaded, $\frac{1}{6} = \frac{1 \times 4}{6 \times 4} = \frac{4}{24}$

Homework

- Number line marked 0 and 1 on top and $\frac{0}{3}, \frac{1}{3}, \frac{2}{3}, \frac{3}{3}$ on the bottom; $\frac{2}{6}$ shaded; $\frac{3}{9}$ shaded, $\frac{1}{3} = \frac{1 \times 3}{3 \times 3} = \frac{3}{9}$; $\frac{4}{12}$ shaded, $\frac{1}{3} = \frac{1 \times 4}{3 \times 4} = \frac{4}{12}$; $\frac{5}{15}$ shaded, $\frac{1}{3} = \frac{1 \times 5}{3 \times 5} = \frac{5}{15}$
- Number line marked 0 and 1 on top and $\frac{0}{4}, \frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{4}{4}$ on the bottom; $\frac{2}{8}$ shaded, $\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$; $\frac{3}{12}$ shaded, $\frac{1}{4} = \frac{1 \times 3}{4 \times 3} = \frac{3}{12}$; $\frac{4}{16}$ shaded, $\frac{1}{4} = \frac{1 \times 4}{4 \times 4} = \frac{4}{16}$; $\frac{5}{20}$ shaded, $\frac{1}{4} = \frac{1 \times 5}{4 \times 5} = \frac{5}{20}$
- Number line marked 0 and 1 on top and $\frac{0}{5}, \frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}, \frac{5}{5}$ on the bottom; $\frac{8}{10}$ shaded, $\frac{4}{5} = \frac{4 \times 2}{5 \times 2} = \frac{8}{10}$; $\frac{12}{15}$ shaded, $\frac{4}{5} = \frac{4 \times 3}{5 \times 3} = \frac{12}{15}$; $\frac{16}{20}$ shaded, $\frac{4}{5} = \frac{4 \times 4}{5 \times 4} = \frac{16}{20}$; $\frac{20}{25}$ shaded, $\frac{4}{5} = \frac{4 \times 5}{5 \times 5} = \frac{20}{25}$
- Number line marked 0 and 1 on top and $\frac{0}{8}, \frac{1}{8}, \frac{2}{8}, \frac{3}{8}, \frac{4}{8}, \frac{5}{8}, \frac{6}{8}, \frac{7}{8}, \frac{8}{8}, \frac{9}{8}$ on the bottom; examples may vary.

Problem Set

- $\frac{3}{5}$; number line drawn
 - $\frac{3}{3}$ or 1; number line drawn
 - $\frac{9}{10}$; number line drawn
 - $1\frac{3}{4}$; number line drawn
- Answers will vary; number line drawn
 - Answers will vary.
 - Answers will vary.
 - Answers will vary.
- $1\frac{2}{7}$
 - $4\frac{1}{2}$
 - $4\frac{4}{7}$; number line drawn
 - $2\frac{6}{9}$; number line drawn
- $2\frac{4}{8}$ yd or $2\frac{1}{2}$ yd; number line drawn

Exit Ticket

- $\frac{7}{5}$; number line drawn
 - $\frac{8}{3}$; number line drawn
- Answers will vary.
 - Answers will vary; number line drawn

Homework

- $\frac{5}{9}$; number line drawn
 - $\frac{4}{4}$; number line drawn
 - $\frac{6}{7}$; number line drawn
 - $\frac{7}{5}$; number line drawn
- Answers will vary; number line drawn
 - Answers will vary.
 - Answers will vary.
 - Answers will vary.
- $1\frac{4}{5}$
 - $3\frac{1}{2}$
 - $3\frac{4}{7}$; number line drawn
 - $2\frac{3}{9}$ or $2\frac{1}{3}$; number line drawn
- $4\frac{5}{10}$ m or $4\frac{1}{2}$ m; number line drawn

Problem Set

1.
 - a. Accurate picture drawn; $\frac{5}{6}$
 - b. Accurate picture drawn; $\frac{8}{15}$
 - c. Accurate picture drawn; $\frac{7}{12}$
 - d. Accurate picture drawn; $\frac{10}{21}$
 - e. Accurate picture drawn; $\frac{19}{20}$
 - f. Accurate picture drawn; $\frac{20}{21}$
2. Accurate picture and number sentence shown; $\frac{1}{2}$ yd
3. Accurate picture and number sentence shown; $\frac{11}{12}$ qt
4. Accurate picture and number sentence shown; $\frac{13}{20}$; $\frac{7}{20}$

Exit Ticket

1. Accurate picture drawn; $\frac{7}{10}$
2. $\frac{13}{20}$ hr; 39 min

Homework

1.
 - a. Accurate picture drawn; $\frac{7}{12}$
 - b. Accurate picture drawn; $\frac{9}{20}$
 - c. Accurate picture drawn; $\frac{5}{12}$
 - d. Accurate picture drawn; $\frac{14}{45}$
 - e. Accurate picture drawn; $\frac{13}{20}$
 - f. Accurate picture drawn; $1\frac{1}{35}$
2. Accurate picture and number sentence shown; $\frac{11}{12}$ mi
3. Accurate picture and number sentence shown; $\frac{19}{24}$; $\frac{5}{24}$
4. Accurate picture and number sentence shown; $\frac{17}{30}$; $\frac{13}{30}$

Lesson 4

Problem Set

- Accurate picture drawn; $1\frac{1}{6}$
 - Accurate picture drawn; $1\frac{5}{12}$
 - Accurate picture drawn; $1\frac{1}{10}$
 - Accurate picture drawn; $1\frac{3}{14}$
 - Accurate picture drawn; $1\frac{7}{12}$
 - Accurate picture drawn; $1\frac{2}{21}$
- Accurate picture and number sentence shown; $1\frac{3}{20}$ lb
- Accurate picture and number sentence shown; $1\frac{9}{20}$ hr;
 $\frac{11}{20}$ hr

Exit Ticket

- Accurate picture drawn; $1\frac{1}{12}$
- $1\frac{11}{20}$ L

Homework

- Accurate picture drawn; $1\frac{1}{12}$
 - Accurate picture drawn; $1\frac{5}{12}$
 - Accurate picture drawn; $\frac{14}{15}$
 - Accurate picture drawn; $1\frac{1}{3}$
 - Accurate picture drawn; $1\frac{1}{2}$
 - Accurate picture drawn; $1\frac{19}{21}$
- Accurate picture and number sentence shown; $1\frac{5}{12}$ L
- Accurate picture and number sentence shown; $1\frac{3}{8}$ tanks

Problem Set

1.
 - a. Accurate picture drawn; $\frac{1}{12}$
 - b. Accurate picture drawn; $\frac{1}{6}$
 - c. Accurate picture drawn; $\frac{7}{12}$
 - d. Accurate picture drawn; $\frac{11}{21}$
 - e. Accurate picture drawn; $\frac{3}{8}$
 - f. Accurate picture drawn; $\frac{13}{28}$
2. $\frac{7}{15}$ L
3. Answers will vary.

Exit Ticket

- a. Accurate picture drawn; $\frac{5}{14}$
- b. Accurate picture drawn; $\frac{1}{10}$

Homework

1. Pictures will vary; $\frac{5}{12}$
2.
 - a. Accurate picture drawn; $\frac{1}{2}$
 - b. Accurate picture drawn; $\frac{1}{6}$
 - c. Accurate picture drawn; $\frac{7}{12}$
 - d. Accurate picture drawn; $\frac{3}{10}$
 - e. Accurate picture drawn; $\frac{4}{15}$
 - f. Accurate picture drawn; $\frac{1}{21}$
3. $\frac{5}{8}$ lb
4. No; $\frac{6}{35}$ kg

Lesson 6

Problem Set

- Accurate picture drawn; $\frac{11}{12}$
 - Accurate picture drawn; $\frac{13}{15}$
 - Accurate picture drawn; $\frac{7}{8}$
 - Accurate picture drawn; $\frac{9}{10}$
 - Accurate picture drawn; $\frac{20}{21}$
 - Accurate picture drawn; $1\frac{1}{15}$
- $\frac{5}{12}$ hr
- Yes; answers will vary.

Exit Ticket

- Accurate picture drawn; $\frac{7}{10}$
- Accurate picture drawn; $\frac{1}{2}$

Homework

- Accurate picture drawn; $\frac{1}{6}$
 - Accurate picture drawn; $\frac{2}{3}$
 - Accurate picture drawn; $\frac{13}{21}$
 - Accurate picture drawn; $\frac{21}{40}$
 - Accurate picture drawn; $\frac{13}{20}$
 - Accurate picture drawn; $\frac{23}{24}$
 - Accurate picture drawn; $\frac{15}{28}$
 - Accurate picture drawn; $\frac{7}{12}$
- $\frac{7}{8}$ m
- $\frac{17}{24}$ kg

Problem Set

1. $\frac{2}{15}$
2. $\frac{1}{24}$
3. $\frac{9}{15}$ oz
4. Jim; $\frac{1}{12}$ gal
5. $\frac{1}{8}$

Exit Ticket

Mr. Pham; $\frac{13}{28}$

Homework

1. $\frac{1}{2}$
2. $\frac{2}{21}$
3. $\frac{7}{10}$ kg
4. $\frac{1}{4}$
5. $1\frac{1}{15}$ m

Lesson 8

Problem Set

- $3\frac{1}{5}$
 - $\frac{5}{8}$
 - 8
 - $1\frac{5}{7}$
 - $17\frac{3}{4}$
 - $1\frac{1}{3}$
 - $32\frac{2}{3}$
 - $79\frac{1}{8}$
- $6\frac{2}{3}$ min
- $6\frac{1}{2}$ hr
- Answers will vary.

Exit Ticket

- $6\frac{7}{8}$
- $1\frac{1}{4}$
- $11\frac{3}{8}$
- $1\frac{4}{7}$

Homework

- $4\frac{1}{4}$
 - $\frac{3}{8}$
 - 8
 - $1\frac{2}{7}$
 - $15\frac{4}{5}$
 - $2\frac{1}{4}$
 - $34\frac{5}{6}$
 - $49\frac{5}{8}$
- $5\frac{3}{8}$ m
- $5\frac{1}{2}$ mi
- Answers will vary.

Problem Set

- $\frac{25}{28}$
 - $1\frac{3}{8}$
 - $\frac{45}{56}$
 - $1\frac{1}{63}$
 - $\frac{13}{15}$
 - $1\frac{7}{12}$
 - $\frac{25}{33}$
 - $1\frac{17}{20}$
- Answers will vary.
- $1\frac{5}{8}$ gal
- $1\frac{13}{20}$ kg; $\frac{17}{20}$ kg

Exit Ticket

- $\frac{22}{24}$ or $\frac{11}{12}$
- $1\frac{9}{10}$

Homework

- $\frac{14}{15}$
 - $\frac{38}{55}$
 - $1\frac{1}{18}$
 - $\frac{3}{4}$
 - $1\frac{11}{15}$
 - $1\frac{5}{24}$
 - $2\frac{1}{12}$
 - $2\frac{1}{12}$
- $1\frac{5}{12}$ hours
- $2\frac{17}{20}$ kg
- $\frac{9}{40}$

Problem Set

1.
 - a. $3\frac{9}{20}$
 - b. $4\frac{3}{20}$
 - c. $3\frac{8}{15}$
 - d. $6\frac{1}{15}$
 - e. $8\frac{1}{21}$
 - f. $8\frac{11}{21}$
 - g. $18\frac{33}{40}$
 - h. $21\frac{1}{40}$
2. $8\frac{1}{4}$ mi
3. $6\frac{1}{12}$ gal
4. No; answers will vary.

Exit Ticket

1. $4\frac{5}{6}$
2. $8\frac{13}{28}$

Homework

1.
 - a. $3\frac{7}{10}$
 - b. $4\frac{1}{10}$
 - c. $4\frac{8}{15}$
 - d. $5\frac{4}{15}$
 - e. $6\frac{19}{21}$
 - f. $8\frac{8}{21}$
 - g. $19\frac{23}{40}$
 - h. $20\frac{31}{40}$
2. $8\frac{1}{2}$ hr
3. $6\frac{1}{12}$ m
4. Answers will vary.

Lesson 11

Problem Set

- $\frac{1}{6}$
 - $\frac{11}{30}$
 - $\frac{1}{8}$
 - $1\frac{1}{40}$
 - $1\frac{2}{15}$
 - $1\frac{2}{15}$
 - $3\frac{4}{21}$
 - Number lines drawn
- 24 shown as denominator; answers will vary.
- $\frac{11}{12}$ L; $\frac{1}{4}$ L
- $2\frac{1}{14}$ kg

Exit Ticket

- $\frac{9}{20}$
- $2\frac{1}{6}$

Homework

- $\frac{3}{10}$
 - $\frac{13}{24}$
 - $\frac{1}{10}$
 - $1\frac{1}{6}$
 - $1\frac{1}{20}$
 - $2\frac{4}{21}$
 - $10\frac{1}{8}$
 - $12\frac{7}{24}$
- $\frac{14}{24}$ or $\frac{7}{12}$
- $2\frac{3}{14}$ yd
- $\frac{2}{15}$
- $3\frac{1}{6}$ gal

Problem Set

- $\frac{19}{20}$
 - $\frac{13}{20}$
 - $2\frac{13}{15}$
 - $1\frac{11}{15}$
 - $\frac{20}{21}$
 - $6\frac{17}{21}$
 - $11\frac{5}{6}$
 - $14\frac{23}{24}$
- No; number line drawn correctly
- $4\frac{17}{20}$ gal
- $2\frac{7}{12}$ hr

Exit Ticket

- $4\frac{1}{6}$
- $2\frac{11}{12}$

Homework

- $\frac{11}{12}$
 - $\frac{11}{12}$
 - $1\frac{19}{20}$
 - $1\frac{17}{20}$
 - $\frac{20}{21}$
 - $4\frac{20}{21}$
 - $12\frac{7}{8}$
 - $14\frac{23}{40}$
- Yes; number line drawn correctly
- $4\frac{13}{20}$ gal
- $2\frac{7}{12}$ ft

Lesson 13

Problem Set

- Less than 1
 - Greater than 1
 - Less than 1
 - Greater than 1
- Greater than $\frac{1}{2}$
 - Less than $\frac{1}{2}$
 - Less than $\frac{1}{2}$
 - Greater than $\frac{1}{2}$
- $>$
 - $<$
 - $=$
 - $<$
- No; answers will vary.
- No
- No

Exit Ticket

- Less than 1
 - Greater than 1
 - Less than $\frac{1}{2}$
 - Greater than $\frac{1}{2}$
- $<$

Homework

- Less than 1
 - Greater than 1
 - Less than 1
 - Less than 1
- Less than $\frac{1}{2}$
 - Greater than $\frac{1}{2}$
 - Less than $\frac{1}{2}$
 - Greater than $\frac{1}{2}$
- $<$
 - $<$
 - $>$
 - $<$
- No; answers will vary.
- No
- Yes

Problem Set

- 5
 - $2\frac{1}{4}$
 - 1
 - 0
- $4\frac{1}{15}$
 - $\frac{3}{40}$
 - 1
 - $58\frac{11}{12}$
 - $3\frac{2}{35}$
 - 4.3 or $4\frac{3}{10}$
- $31\frac{1}{8}$ lb
- $18\frac{9}{20}$ kg or 18.45 kg

Exit Ticket

- $5\frac{7}{12}$
- $5\frac{1}{30}$

Homework

- 3
 - $3\frac{1}{4}$
 - $1\frac{6}{7}$
 - 0
- $4\frac{27}{28}$
 - $2\frac{11}{12}$
 - 1
 - $37\frac{7}{8}$
 - $2\frac{19}{30}$
 - $18\frac{2}{10}$ or 18.2
- $9\frac{1}{6}$ yd
- $3\frac{19}{36}$ lb

Problem Set

1. 31 min 35 sec
2. $4\frac{9}{20}$ kg
3. $\frac{1}{40}$ oz
4. 6 min 27 sec
5. $\frac{11}{20}$ min

Exit Ticket

$1\frac{9}{10}$ dollars; \$1.90

Homework

1. $\frac{7}{12}$ lb
2. $1\frac{4}{5}$ kg
3. $28\frac{2}{3}$ mi
4. $2\frac{11}{24}$ lb
5. $2\frac{1}{3}$ hr

Lesson 16

Problem Set

- Accurate drawing shown
 - Accurate drawing shown
 - Accurate drawing shown
 - Accurate drawing shown
- $1\frac{3}{7}$ or $\frac{10}{7}$ ft longer
- $1\frac{1}{7}$ or $\frac{8}{7}$ ft

Exit Ticket

- Accurate drawing shown
- Accurate drawing shown
- Accurate drawing shown

Homework

- Accurate drawing shown
- Accurate drawing shown
- Accurate drawing shown; $\frac{1}{10}$; 21 mi
- Answers will vary.