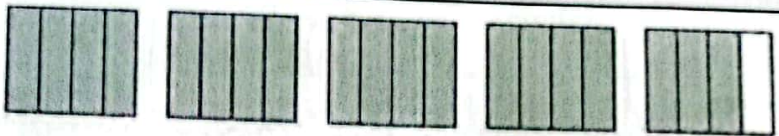


Chapter 3

Student book

Let's Try It

Page	Answers
154	<p>(1) </p> <p>$8\frac{3}{4}$ <input type="checkbox"/> (b) $4\frac{4}{5}$ <input type="checkbox"/> (c) $4\frac{3}{4}$ <input checked="" type="checkbox"/> (d) $12\frac{1}{4}$ <input type="checkbox"/></p> <p>(2) (a) $2\frac{1}{5}$ (b) $3\frac{5}{7}$ (c) $3\frac{3}{8}$ (d) $1\frac{1}{3}$ (e) $2\frac{3}{4}$</p>

Let's Try It

Page	Answers
157	<p>(1) (a) 6 (b) 1 (c) $\frac{1}{6}$ (d) 5 (e) $\frac{5}{6}$</p> <p>(2) (a) 6 (b) 2 (c) $\frac{2}{6}$ (d) 4 (e) $\frac{4}{6}$</p>

Let's Try It

Page	Answers
159	<p>(1) (a) What can we divide 120 by to find one-tenth? <u>10</u> $120 \div 10 = \underline{12}$ So, one-tenth of 120 is <u>12</u>.</p> <p>(b) What can we divide 18 by to find one-third? <u>3</u> $18 \div \underline{3} = \underline{6}$ So, one-third of 18 is <u>6</u>.</p>

- (c) What can we divide 24 by to find one-half? 2
 $24 \div 2 = 12$.
 So, one-half of 24 is 12.

Workbook

Page	Answers
138	(1) (a) $1\frac{1}{2}$ (b) $1\frac{3}{4}$ (c) $2\frac{2}{3}$ (d) $1\frac{2}{5}$ (e) $6\frac{1}{2}$ (f) $3\frac{1}{3}$
	(2) (a) $\frac{3}{2}$ (b) $\frac{11}{3}$ (c) $\frac{21}{8}$ (d) $\frac{21}{5}$ (e) $\frac{25}{7}$ (f) $\frac{38}{9}$
	(3) $\frac{7}{3}$ $2\frac{1}{3}$ $\frac{8}{5}$ $1\frac{3}{5}$ $\frac{4}{3}$ $1\frac{1}{3}$ $\frac{9}{4}$ $2\frac{1}{4}$ $\frac{6}{5}$ $1\frac{1}{5}$ $\frac{11}{4}$ $2\frac{3}{4}$

f) $36 + \frac{2}{9}$
 $\frac{4}{9} \times \frac{2}{9}$
 $\frac{38}{9}$ ← same denominator

$$(4) (a) \frac{9}{2} \longrightarrow \boxed{9} \div \boxed{2} = \boxed{4} \text{ r } \boxed{1}$$

$$\text{The mixed number} = \boxed{4} \frac{\boxed{1}}{\boxed{2}}$$

$$(b) \frac{21}{5} \longrightarrow \boxed{21} \div \boxed{5} = \boxed{4} \text{ r } \boxed{1}$$

$$\text{The mixed number} = \boxed{4} \frac{\boxed{1}}{\boxed{5}}$$

$$(c) \frac{13}{3} \longrightarrow \boxed{13} \div \boxed{3} = \boxed{4} \text{ r } \boxed{1}$$

$$\text{The mixed number} = \boxed{4} \frac{\boxed{1}}{\boxed{3}}$$

$$(d) \frac{25}{4} \longrightarrow \boxed{25} \div \boxed{4} = \boxed{6} \text{ r } \boxed{1}$$

$$\text{The mixed number} = \boxed{6} \frac{\boxed{1}}{\boxed{4}}$$

$$(e) \frac{31}{7} \longrightarrow \boxed{31} \div \boxed{7} = \boxed{4} \text{ r } \boxed{3}$$

$$\text{The mixed number} = \boxed{4} \frac{\boxed{3}}{\boxed{7}}$$

$$(f) \frac{38}{6} \longrightarrow \boxed{38} \div \boxed{6} = \boxed{6} \text{ r } \boxed{2}$$

$$\text{The mixed number} = \boxed{6} \frac{\boxed{2}}{\boxed{6}}$$

$$(7) (a) \frac{3}{8} \quad (b) \frac{2}{6} \quad (c) \frac{4}{8} \quad (d) \frac{2}{4} \quad (e) \frac{1}{2} \quad (f) \frac{2}{6} \quad (g) \frac{2}{6} \quad (h) \frac{1}{2} \quad (i) \frac{3}{12} \quad (j) \frac{1}{3}$$

Page	Answers
146	(1) (a) 10 (b) 6 (c) 9 (d) 12 (e) 7 (f) 30 (g) 15 (h) 24
	(2) (a) 7 (b) 4 (c) 10 (d) 9 (e) 5 (f) 20 (g) 3 (h) 6
	(3) (a) 6 (b) 4 (c) 5 (d) 7 (e) 1 (f) 3 (g) 2 (h) 10
147	(4) (a) 5 (b) 4 (c) 3 (d) 7 (e) 8 (f) 10 (g) 2 (h) 8
	(5) (a) 6 (b) 8 (c) 3 (d) 10 (e) 9 (f) 5 (g) 1 (h) 2
	(6) (a) 4 (b) 2 (c) 9 (d) 10 (e) 1 (f) 6 (g) 8 (h) 5
148	(7) (a) 2 is $\frac{1}{2}$ of 4. (b) 4 is $\frac{1}{4}$ of 16. (c) 5 is $\frac{1}{2}$ of 15. $\frac{1}{3} \times 15 = \frac{15}{3} = 5$ (d) 7 is $\frac{1}{10}$ of 70. (e) 12 is $\frac{1}{2}$ of 24. (f) 8 is $\frac{1}{2}$ of 56. (g) 10 is $\frac{1}{10}$ of 100. (h) 17 is $\frac{1}{2}$ of 34. (i) 7 is $\frac{1}{6}$ of 42. (j) 8 is $\frac{1}{8}$ of 64.
	(8) (a) 8 is $\frac{1}{2}$ of 16. (b) 3 is $\frac{1}{10}$ of 30. (c) 5 is $\frac{1}{4}$ of 20. (d) 3 is $\frac{1}{8}$ of 24. (e) 9 is $\frac{1}{3}$ of 27. (f) 6 is $\frac{1}{6}$ of 36. (g) 9 is $\frac{1}{2}$ of 18. (h) 4 is $\frac{1}{4}$ of 16. (i) 10 is $\frac{1}{8}$ of 80. (j) 3 is $\frac{1}{6}$ of 18.

150	(2) (a) $\frac{12}{7} = 1\frac{5}{7}$ (b) $\frac{10}{3} = 3\frac{1}{3}$ (c) $\frac{3}{2} = 1\frac{1}{2}$ (d) $\frac{9}{4} = 2\frac{1}{4}$ (e) $\frac{11}{2} = 5\frac{1}{2}$ (f) $\frac{16}{5} = 3\frac{1}{5}$ (g) $\frac{10}{4} = \frac{5}{2} = 2\frac{1}{2}$ (h) $\frac{12}{9} = \frac{4}{3} = 1\frac{1}{3}$ (i) $\frac{14}{8} = \frac{7}{4} = 1\frac{3}{4}$ (j) $\frac{11}{5} = 2\frac{1}{5}$ (k) $\frac{20}{3} = 6\frac{2}{3}$ (l) $\frac{19}{10} = 1\frac{9}{10}$ (m) $\frac{18}{7} = 2\frac{4}{7}$ (n) $\frac{13}{10} = 1\frac{3}{10}$ (o) $\frac{14}{11} = 1\frac{3}{11}$ (p) $\frac{19}{4} = 4\frac{3}{4}$
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improper \rightarrow mixed

2) (m) $\frac{18}{7} = 2\frac{4}{7}$