

5.NF.B.3 Convert Improper Fractions to Mixed Numbers – II

5.NF.B.3: Interpret a fraction as a division of the numerator by the denominator ($a/b = a \div b$).

1. Convert improper fractions to mixed number in its simplest form.

a. $\frac{10}{3}$

b. $\frac{25}{6}$

c. $\frac{36}{7}$

d. $\frac{44}{10}$

e. $\frac{27}{6}$

f. $\frac{44}{6}$

g. $\frac{14}{3}$

h. $\frac{18}{5}$

Solution:

a.

b.

c.

d.

e.

f.

g.

h.

2. Sarah had 31 jellybeans. She wanted to put it into bags containing 5 each. How many bags of five can she make? Write your answer as a fraction and convert it into mixed number in its simplest form.

Solution:

3. Convert mixed number into improper fraction.

a. $4\frac{5}{8}$

b. $3\frac{7}{9}$

c. $5\frac{1}{2}$

d. $8\frac{4}{9}$

e. $15\frac{5}{9}$

f. $6\frac{5}{8}$

g. $7\frac{6}{7}$

h. $4\frac{8}{11}$

Solution:

e.

f.

g.

h.

e.

f.

g.

h.

4. Ruth paid \$96 for 10 sweaters. What was the price of each sweater? Write your answer as a mixed number.

Solution:

5. 5 gallons of cake batter is poured equally into 2 bowls. How many gallons are in each bowl? Write your answer as a mixed number.

Solution:

6. Choose the fraction expressed in simplest form.

a. $\frac{52}{130}$

b. $\frac{14}{49}$

c. $\frac{13}{50}$

d. $\frac{64}{120}$

Solution:

7. Which fraction is equal to $\frac{65}{120}$?

a. $\frac{13}{24}$

b. $\frac{8}{15}$

c. $\frac{6}{10}$

d. $\frac{6}{12}$

Solution:

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Answer Key

5.NF.B.3: Interpret a fraction as a division of the numerator by the denominator ($a/b = a \div b$).

1.

- a. $3\frac{1}{3}$
- b. $4\frac{1}{6}$
- c. $5\frac{1}{7}$
- d. $4\frac{2}{5}$
- e. $4\frac{1}{2}$
- f. $7\frac{1}{3}$
- g. $4\frac{2}{3}$
- h. $3\frac{3}{5}$

2. $6\frac{1}{5}$

3.

- a. $\frac{37}{8}$
- b. $\frac{34}{9}$
- c. $\frac{11}{2}$
- d. $\frac{76}{9}$
- e. $\frac{140}{9}$
- f. $\frac{53}{8}$
- g. $\frac{55}{7}$
- h. $\frac{52}{11}$

4. $9\frac{3}{5}$

5. $2\frac{1}{2}$

6. C.

7. A.