

## ch 02.06

Student: \_\_\_\_\_

1. Suppose a stock is selling on a stock exchange for  $5\frac{1}{4}$  dollars per share. If the price increases,  $\frac{3}{4}$  dollar per share, what is the new price of the stock?

- A. \$6
- B. \$7
- C. \$5
- D. \$4
- E. \$3

2. Suppose a stock is selling on a stock exchange for  $4\frac{1}{4}$  dollars per share. If the price increases 2 dollars per share, what is the new price of the stock?

- A. 8 dollars
- B.  $6\frac{1}{4}$  dollars
- C.  $8\frac{1}{4}$  dollars
- D.  $6\frac{2}{5}$  dollars
- E. 6 dollars

3. Change this mixed number to an improper fraction.

$$3\frac{8}{9}$$

A.  $\frac{35}{10}$

B.  $\frac{34}{9}$

C.  $\frac{35}{9}$

4. Change this mixed number to an improper fraction.

$$2\frac{1}{3}$$

A.  $\frac{6}{3}$

B.  $\frac{7}{4}$

C.  $\frac{7}{3}$

5. Change this mixed number to an improper fraction.

$$16\frac{3}{4}$$

A.  $\frac{66}{4}$

B.  $\frac{67}{4}$

C.  $\frac{67}{5}$

6. Change this mixed number to an improper fraction.

$$14\frac{24}{25}$$

A.  $\frac{374}{25}$

B.  $\frac{374}{26}$

C.  $\frac{373}{25}$

7. **Gasoline Prices**

The price of unleaded gasoline is  $104\frac{1}{10}$  cents per gallon. Write this number as an improper fraction.

A.  $\frac{1,040}{10}$

B.  $\frac{1,042}{10}$

C.  $\frac{1,041}{10}$

8. Change the mixed number  $80\frac{1}{4}$  to an improper fraction.

A.  $\frac{333}{4}$

B.  $\frac{325}{4}$

C.  $\frac{321}{4}$

D.  $\frac{317}{4}$

E.  $\frac{329}{4}$

9. Change the improper fraction  $\frac{31}{3}$  to a mixed number.

A.  $11\frac{3}{5}$

B.  $12\frac{3}{5}$

C.  $13\frac{1}{3}$

D.  $14\frac{3}{5}$

E.  $10\frac{1}{3}$

10. Change this improper fraction to a mixed number.

$$\frac{8}{5}$$

A.  $1\frac{3}{6}$

B.  $1\frac{3}{5}$

C.  $1\frac{4}{5}$

11. Change this improper fraction to a mixed number.

$$\frac{45}{11}$$

A.  $4\frac{2}{11}$

B.  $4\frac{1}{12}$

C.  $4\frac{1}{11}$

12. Change each improper fraction to a mixed number.

$$\frac{24}{7}$$

A.  $3\frac{3}{7}$

B.  $3\frac{4}{7}$

C.  $3\frac{3}{8}$

13. Change this improper fraction to a mixed number.

$$\frac{406}{15}$$

A.  $27\frac{1}{15}$

B.  $27\frac{2}{15}$

C.  $27\frac{1}{16}$

14. Add.

$$7 + \frac{1}{x}$$

A.  $\frac{8x + 1}{x}$

B.  $\frac{7x + 2}{x}$

C.  $\frac{7x + 1}{x}$

15. Change this mixed number to an improper fraction.

$$x + \frac{4}{9}$$

A.  $\frac{9x + 4}{9}$

B.  $\frac{9x + 4}{10}$

C.  $\frac{10x + 4}{9}$

16. **Height**

If a man is 77 inches tall, then in feet his height is  $\frac{77}{12}$  feet. Change  $\frac{77}{12}$  to a mixed number.

A.  $\frac{5}{12}$

B.  $6\frac{5}{12}$

C.  $6\frac{12}{5}$



17. Express the improper fraction  $\frac{10}{8}$  as a mixed number, where the fraction part is reduced to lowest terms.

A.  $1\frac{1}{4}$

B.  $3\frac{1}{4}$

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

D.  $5\frac{4}{5}$

E.  $1\frac{5}{4}$

18. Jack has 23 half gallons of milk in the refrigerator of his store. Write this amount of milk as a mixed number of gallons.

A. 11

B.  $11\frac{3}{4}$

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

D.  $11\frac{1}{2}$

E.  $16\frac{1}{2}$

19. Laura counted 47 half gallons of orange juice in her store. Write this amount of orange juice as a mixed number of gallons.

A.  $25\frac{1}{5}$

B.  $23\frac{1}{5}$

C.  $21\frac{1}{2}$

D. 25

E.  $23\frac{1}{2}$

20. Write the improper fraction  $\frac{435}{87}$  as a whole number, or as a mixed number.

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

B.  $3\frac{1}{87}$

C. 5

D. 8

E.  $3\frac{3}{5}$

21. Suppose a stock is selling on a stock exchange for  $6\frac{2}{5}$  dollars per share. If the price increases,  $\frac{3}{5}$  dollar per share, what is the new price of the stock?

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22. Write the improper fraction  $\frac{651}{93}$  as a whole number, or as a mixed number.

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23. Match each expression with an equivalent expression.

*Choose the correct letter for each question.*

1.  $\frac{2z + 4}{z}$   $9 + \frac{9}{z}$  \_\_\_\_\_

2.  $\frac{6z + 3}{z}$   $2 + \frac{4}{z}$  \_\_\_\_\_

3.  $\frac{9z + 9}{z}$   $6 + \frac{3}{z}$  \_\_\_\_\_

24. Match each expression with an equivalent expression.

*Choose the correct letter for each question.*

1.  $\frac{5x + 1}{5}$   $x + \frac{1}{5}$  \_\_\_\_\_

2.  $\frac{2x + 1}{2}$   $x + \frac{5}{7}$  \_\_\_\_\_

3.  $\frac{7x + 5}{7}$   $x + \frac{3}{6}$  \_\_\_\_\_

## 25. Gasoline Prices

The price of unleaded gasoline is  $A$  cents per gallon. Write this number as an improper fraction.

*Choose the correct letter for each question.*

1.  $134\frac{3}{5}$   $A = \frac{344}{5}$  \_\_\_\_\_

2.  $68\frac{4}{5}$   $A = \frac{86}{5}$  \_\_\_\_\_

3.  $17\frac{1}{5}$   $A = \frac{673}{5}$  \_\_\_\_\_

26. Match the improper fraction to the appropriate mixed number.

*Choose the correct letter for each question.*

1.  $20\frac{2}{3}$   $\frac{62}{3}$  \_\_\_\_\_

2.  $31\frac{2}{3}$   $\frac{95}{3}$  \_\_\_\_\_

3.  $18\frac{1}{3}$   $\frac{55}{3}$  \_\_\_\_\_

27. Suppose a stock is selling on a stock exchange for  $6\frac{1}{5}$  dollars per share. If the price increases 2 dollars

per share, what is the new price of the stock?

28. Change this mixed number to an improper fraction.

$$5\frac{8}{9}$$

29. Change this mixed number to an improper fraction.

$$6\frac{3}{4}$$

30. Change this mixed number to an improper fraction.

$$14\frac{1}{4}$$

31. Change this mixed number to an improper fraction.

$$10\frac{29}{35}$$

32. Change the mixed number  $110\frac{2}{3}$  to an improper fraction.

33. Change this improper fraction to a mixed number.

$$\frac{5}{4}$$

34. Change this improper fraction to a mixed number.

$$\frac{37}{9}$$

35. Change this improper fraction to a mixed number.

$$\frac{11}{3}$$

36. Change this improper fraction to a mixed number.

$$\frac{424}{15}$$

37. **Height**

If a man is 71 inches tall, then in feet his height is  $\frac{71}{12}$  feet. Change  $\frac{71}{12}$  to a mixed number.

38. Express the improper fraction  $\frac{10}{4}$  as a mixed number, where the fraction part is reduced to lowest terms.

39. Jack has 31 half gallons of milk in the refrigerator of his store. Write this amount of milk as a mixed number of gallons.



40. Laura counted 45 half gallons of orange juice in her store. Write this amount of orange juice as a mixed number of gallons.

41. Change the improper fraction  $\frac{41}{4}$  to a mixed number.

## ch 02.06 Key

1. Suppose a stock is selling on a stock exchange for  $5\frac{1}{4}$  dollars per share. If the price increases,  $\frac{3}{4}$  dollar per share, what is the new price of the stock?

- A.** \$6
- B. \$7
- C. \$5
- D. \$4
- E. \$3

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- A. 8 dollars
- B.**  $6\frac{1}{4}$  dollars
- C.  $8\frac{1}{4}$  dollars
- D.  $6\frac{2}{5}$  dollars
- E. 6 dollars

3. Change this mixed number to an improper fraction.

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**B.**  $\frac{67}{4}$

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C.  $13\frac{1}{3}$

D.  $14\frac{3}{5}$

**E.**  $10\frac{1}{3}$

10. Change this improper fraction to a mixed number.

$$\frac{8}{5}$$

A.  $1\frac{3}{6}$

**B.**  $1\frac{3}{5}$

C.  $1\frac{4}{5}$

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A.  $4\frac{2}{11}$

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B.  $3\frac{4}{7}$

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13. Change this improper fraction to a mixed number.

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A.  $27\frac{1}{15}$

B.  $27\frac{2}{15}$

C.  $27\frac{1}{16}$

14. Add.

$$7 + \frac{1}{x}$$

A.  $\frac{8x + 1}{x}$

B.  $\frac{7x + 2}{x}$

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B.  $3\frac{1}{4}$

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

D.  $5\frac{4}{5}$

E.  $1\frac{5}{4}$

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

**D.**  $11\frac{1}{2}$

E.  $16\frac{1}{2}$

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C.  $21\frac{1}{2}$

D. 25

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20. Write the improper fraction  $\frac{435}{87}$  as a whole number, or as a mixed number.

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B.  $3\frac{1}{87}$

**C.** 5

D. 8

E.  $3\frac{3}{5}$

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22. Write the improper fraction  $\frac{651}{93}$  as a whole number, or as a mixed number.

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23. Match each expression with an equivalent expression.

*Choose the correct letter for each question.*

1.  $\frac{2z + 4}{z}$

$9 + \frac{9}{z}$  3

2.  $\frac{6z + 3}{z}$

$2 + \frac{4}{z}$  1

3.  $\frac{9z + 9}{z}$

$6 + \frac{3}{z}$  2

24. Match each expression with an equivalent expression.

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1.  $\frac{5x + 1}{5}$

$x + \frac{1}{5}$  1

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$\frac{95}{3}$  2

3.  $18 \frac{1}{3}$

$\frac{55}{3}$  3

27. Suppose a stock is selling on a stock exchange for  $6 \frac{1}{5}$  dollars per share. If the price increases 2 dollars per share, what is the new price of the stock?

$8 \frac{1}{5}$

28. Change this mixed number to an improper fraction.

$$5\frac{8}{9}$$

$$\frac{53}{9}$$

29. Change this mixed number to an improper fraction.

$$6\frac{3}{4}$$

$$\frac{27}{4}$$

30. Change this mixed number to an improper fraction.

$$14\frac{1}{4}$$

$$\frac{57}{4}$$

31. Change this mixed number to an improper fraction.

$$10\frac{29}{35}$$

$$\frac{379}{35}$$

32. Change the mixed number  $110\frac{2}{3}$  to an improper fraction.

$$\frac{332}{3}$$

33. Change this improper fraction to a mixed number.

$$\frac{5}{4}$$

$$1\frac{1}{4}$$

34. Change this improper fraction to a mixed number.

$$\frac{37}{9}$$

$$4\frac{1}{9}$$

35. Change this improper fraction to a mixed number.

$$\frac{11}{3}$$

$$3\frac{2}{3}$$

36. Change this improper fraction to a mixed number.

$$\frac{424}{15}$$

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