

Divide.

- 1) $3675 \div 21$ A) 175 R 12 B) 175 C) 176 D) 176 R 11 1) _____

Solve the problem.

- 2) The following table shows the amount of income tax paid in 2005 by four people selected at random from a certain town. 2) _____

Bill	\$820
Jill	\$6500
Sue	\$2000
John	\$5650

Find the average amount of income tax paid in 2005 by the two women.

- A) \$3235.00 B) \$3742.50 C) \$4250 D) \$8500

Simplify.

- 3) $9 + 9 \div 3 \cdot 5 - 4$ A) 26 B) 28 C) 20 D) 71 3) _____

Evaluate the expression for the given replacement values.

- 4) $5x + 4y$ for $x = 3$ and $y = 2$ A) 23 B) 13 C) 19 D) 9 4) _____

Write the phrase as a variable expression. Use x to represent "a number."

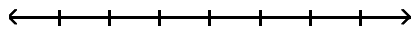
- 5) The quotient of 80 and a number 5) _____
 A) $x - 80$ B) $\frac{x}{80}$ C) $\frac{80}{x}$ D) $80 - x$

Represent the quantity by an integer.

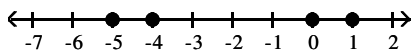
- 6) \$1668 in debt 6) _____
 A) -1668 B) 1668

Graph the numbers on the number line.

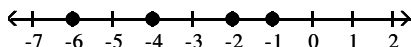
- 7) -6, -4, -2, 0 7) _____



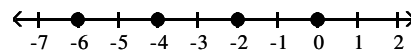
A)



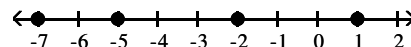
C)



B)



D)



Insert $<$ or $>$ to make the statement true.

- 8) -93 _____ -85 8) _____
 A) $-93 > -85$ B) $-93 < -85$

Simplify.

9) $|75|$

A) 75

B) -75

C) $\frac{1}{75}$

D) 0

9) _____

Subtract.

10) $-3 - 13$

A) -10

B) -16

C) 10

D) 16

10) _____

11) $15 - (-5)$

A) 20

B) 10

C) -10

D) -20

11) _____

Multiply.

12) $-6(-7)$

A) -42

B) 32

C) -36

D) 42

12) _____

13) $0(-3)$

A) -3

B) -6

C) 0

D) 3

13) _____

Find the quotient.

14) $-48 \div 6$

A) -9

B) -8

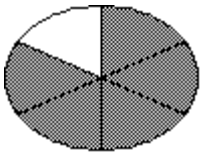
C) 8

D) -7

14) _____

Write a fraction to represent the shaded area of the figure.

15)



A) $\frac{5}{1}$

B) $\frac{1}{6}$

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

D) $\frac{5}{6}$

15) _____

Write the fraction.

16) In a speech class containing 59 students, there are 17 freshmen, 10 sophomores, 4 juniors, and the rest are seniors. What fraction of the class is seniors?

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

B) $\frac{28}{59}$

C) $\frac{28}{86}$

D) $\frac{59}{28}$

16) _____

Write the mixed number as an improper fraction.

17) $7\frac{3}{4}$

A) $\frac{31}{4}$

B) $\frac{28}{3}$

C) $\frac{31}{3}$

D) $\frac{28}{4}$

17) _____

Write the improper fraction as a mixed or whole number.

18) $\frac{15}{9}$

18) _____

A) 2

B) $2\frac{2}{3}$

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

D) $\frac{5}{3}$

Multiply. Write the answer in simplest form.

19) $\frac{2}{7} \cdot \frac{2}{9}$

19) _____

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

B) $\frac{4}{63}$

C) $\frac{7}{9}$

D) $\frac{63}{4}$

Divide and simplify.

20) $\frac{8}{3} \div \frac{1}{9}$

20) _____

A) 24

B) $\frac{8}{27}$

C) $\frac{27}{8}$

D) $\frac{1}{24}$

Solve. Write the fraction in simplest form.

21) Tara read $\frac{1}{12}$ of her book on Monday, $\frac{2}{12}$ of her book on Tuesday, and $\frac{1}{12}$ of her book on Wednesday. What part of her book is left to read?

21) _____

A) 3

B) $\frac{3}{2}$

C) $\frac{2}{3}$

D) $\frac{1}{3}$

Write the fraction as an equivalent fraction with the given denominator.

22) $\frac{11}{7} = \frac{\quad}{21}$

22) _____

A) $\frac{3}{21}$

B) $\frac{33}{21}$

C) $\frac{77}{21}$

D) $\frac{11}{21}$

Insert < or > to form a true sentence.

23) $\frac{2}{3}$ _____ $\frac{11}{15}$

23) _____

A) <

B) >

Perform the indicated operation. Write the answer as a mixed number in simplest form.

24) $2\frac{2}{9} \cdot \frac{3}{8}$

24) _____

A) $2\frac{6}{72}$

B) $\frac{3}{6}$

C) $2\frac{5}{6}$

D) $\frac{5}{6}$

Add or subtract as indicated. Write the answer as a mixed number in simplest form.

25)

$$\begin{array}{r} 7\frac{7}{9} \\ + 3\frac{2}{9} \\ \hline \end{array}$$

25) _____

A) $11\frac{2}{9}$

B) $6\frac{1}{9}$

C) 11

D) $10\frac{7}{9}$

Find the mean. If necessary, round to one decimal place.

26) 16, 4, 23, 7

A) 13.3

B) 12.5

C) 10.0

D) 15.3

26) _____

Divide.

$$\begin{array}{r} 0.06 \overline{)2.1} \\ \hline \end{array}$$

A) 24

B) 36

C) 3.5

D) 35

27) _____

Perform the indicated operation.

28)

$$\begin{array}{r} 9.6 \\ - 2.858 \\ \hline \end{array}$$

A) 6.858

B) 8.000

C) 7.742

D) 6.742

28) _____

Write the rate as a fraction in simplest form.

29) 11 cars for 33 people

A) $\frac{11 \text{ cars}}{33 \text{ people}}$

B) $\frac{3 \text{ cars}}{1 \text{ person}}$

C) $\frac{1 \text{ car}}{3 \text{ people}}$

D) $\frac{11 \text{ cars}}{3 \text{ people}}$

29) _____

Write the percent as a decimal.

30) 14.1%

A) 0.141

B) 0.0141

C) 14.1

D) 1.41

30) _____

Write the percent as a fraction or mixed number in simplest form.

31) 80%

A) $1\frac{3}{5}$

B) $\frac{4}{5}$

C) 8

D) $\frac{2}{5}$

31) _____

Translate the question into an equation. Do not solve.

32) 4% of 95 is what number?

A) $4\% = 95 \cdot x$

B) $4\% \cdot 95 = x$

C) $4\% \cdot x = 95$

D) $4 \cdot 95 = x$

32) _____

Solve. If necessary, round percents to the nearest tenth, dollar amounts to the nearest cent, and all other numbers to the nearest whole.

33) The enrollment at a local college increased 10% over last year's enrollment of 2000. Find the current enrollment.

A) 2200 students

B) 2010 students

C) 200 students

D) 4000 students

33) _____

Solve.

34) A \$1600 painting is on sale at 25% off. Find the sale price. 34) _____
A) \$400.00 B) \$1200.00 C) \$1560.00 D) \$40.00

35) Find the simple interest when: Principal = \$360, Rate = 9%, Time = 2 years. 35) _____
A) \$648.00 B) \$32.40 C) \$324.00 D) \$64.80

Find the value of the polynomial for the given replacement value.

36) $3x^2$ for $x = 4$ 36) _____
A) 48 B) 36 C) 12 D) 8

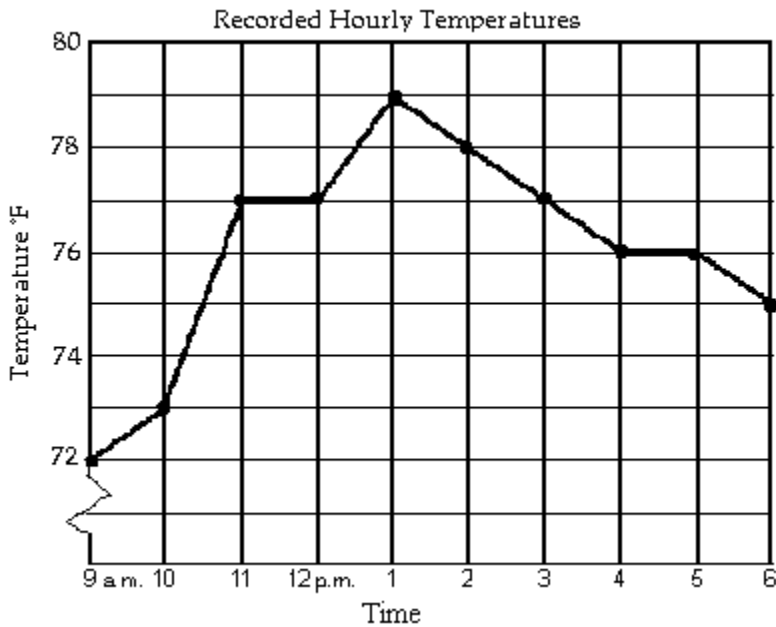
Find the unit price.

37) \$33.60 for 3 video tapes 37) _____
A) \$11.20 per video tape B) \$11.80 per video tape
C) \$100.80 per video tape D) \$10.40 per video tape

Solve.

38) The ratio of a quarterback's completed passes to attempted passes is 2 to 5. If he attempted 15 passes, find how many passes he completed. Round to the nearest whole number if necessary. 38) _____
A) 3 passes B) 5 passes C) 6 passes D) 38 passes

The line graph shows the recorded hourly temperatures in degrees Fahrenheit at an airport.



39) At what time was the temperature the highest? 39) _____
A) 11 a.m. B) 5 p.m. C) 1 p.m. D) 2 p.m.

Solve.

40) A checking account had a beginning balance of \$1302. A deposit was made in the amount of \$1554. Every month for 5 months \$50 was withdrawn. How much money was left in the account at the end of the 5 months? 40) _____
A) \$250 B) \$2806 C) \$2606 D) \$1304

Answer Key

Testname: PRACTICE TEST 2

- 1) B
- 2) C
- 3) C
- 4) A
- 5) C
- 6) A
- 7) B
- 8) B
- 9) A
- 10) B
- 11) A
- 12) D
- 13) C
- 14) B
- 15) D
- 16) B
- 17) A
- 18) C
- 19) B
- 20) A
- 21) C
- 22) B
- 23) A
- 24) D
- 25) C
- 26) B
- 27) D
- 28) D
- 29) C
- 30) A
- 31) B
- 32) B
- 33) A
- 34) B
- 35) D
- 36) A
- 37) A
- 38) C
- 39) C
- 40) C