



5th Online Learning #2 MATH

Subject: Mathematics

State: Ohio

Student Name: _____

Teacher Name: _____

School Name: _____

1 Calculate 123×34 :

(a) using a method that uses place value strategies.

(b) using the standard algorithm for multiplying multi-digit numbers.

Show your work using numbers, words, and/or pictures.

2 There are 225 dozen cookies in a bakery. Remember that there are 12 cookies in one dozen.

How many cookies are there in the bakery altogether? Show and explain your work using numbers, words, and/or pictures.

3 Choose true or false for each equation.

A. $4,086 \times 7 = 32,202$ True False

B. $9,130 \times 86 = 785,180$ True False

4 Show two **different** ways to complete the multiplication problem correctly. Fill in each blank square with a single digit.

$$\begin{array}{r} 4 \square \\ \times 56 \\ \hline 2 \square \square 2 \end{array}$$

$$\begin{array}{r} 4 \square \\ \times 56 \\ \hline 2 \square \square 2 \end{array}$$

5 The manager of a concession stand at a professional ball park orders 150 cases of soft drinks. Each case contains 24 bottles. What is the total number of bottles of soft drinks?

- (A) 360
- (B) 2,600
- (C) 3,400
- (D) 3,600

6 Cheryl and Monica were competing against one another in a video game. Cheryl scored 12 times as many points as Monica. Monica scored 61 points.

How many points did Cheryl score?

- (A) 84 points
- (B) 183 points
- (C) 632 points
- (D) 732 points

7 Solve.

$$463 \times 1,945 = ?$$

8 Solve.

$$625 \times 847 = ?$$

9 Which two pairs of factors have a product of about 2,700? Select the **two** pairs of factors that apply.

(A) 9×313

(B) 9×382

(C) 84×21

(D) 86×39

(E) 912×3

10 Solve.

$$826 \times 3,569$$

11 Multiply.

$$\begin{array}{r} 2,639 \\ \times 29 \\ \hline \end{array}$$

12 What is the value of title expression $3,051 \times 882$?

- (A) 54,918
- (B) 274,590
- (C) 2,646,882
- (D) 2,690,982

13 A store has 48 boxes of computer keyboards and 48 boxes of games.

Each box of computer keyboards contains 25 keyboards and each box of games contains 52 games.

The computer keyboards are sold for \$32 each and the games are sold for \$18 each.

Part A: What is the total amount of money the store can earn from selling all the computer keyboards?

Part B: What is the total amount of money the store can earn from selling all the games?

14 Enter your answer below.

$$62 \times 8,198 =$$

15 What is the value of the expression 4×455 ?

16 Jessa has 23 one-dollar bills that she wants to divide equally among her 5 children.

(a) How much money will each of the children receive?

(b) How much money will Jessa have left over?

(c) Jessa exchanges the remaining one-dollar bills for dimes. If she divides the dimes equally among her 5 children, how much money will each child get?

17 Choose true or false for each equation.

A. $37 \times 4 = 1,480 \div 10$ True False

B. $215 \times 39 = 2,487 \div 3$ True False

18 At Maria's school, 6 classes are going on a field trip. Each class has 26 students and 1 teacher. Each bus holds a maximum of 48 people. The school requests 3 buses for the field trip.

Carefully read Maria's argument:

A. Maria says that 3 buses are not enough.

B. She argues that 3 buses will hold a maximum of 144 people.

C. The classes need space for 156 people.

D. The school needs to order 1 more bus.

(a) Circle the letter of the statement in Maria's argument that has incorrect reasoning or inaccurate calculations.

(b) Write the number that will correct the statement you chose in part (a).

19 Divide.

$$1,534 \div 26 = ?$$

20 Cement is shipped in bags. Each bag weighs 80 pounds. A construction worker needs 1,250 pounds of cement to complete a job.

What is the total number of bags of cement that should be shipped for the construction worker to complete the job?

- (A) 14
- (B) 15
- (C) 16
- (D) 17

21 Each ticket for a concert cost \$14. The total amount of ticket sales for the concert was \$8,792. How many tickets were sold?

(A) 556

(B) 628

(C) 793

(D) 858

22 Solve.

$$6,348 \div 12 =$$

23 Round each number to the nearest hundredth.

a. 5.025

b. 5.079

c. 5.103

d. 5.117

e. 5.066

f. 5.108

24 The weight of a dime is 2.268 grams. What is the weight of a dime, in grams, when rounded to the nearest tenth?

(A) 2.2

(B) 2.3

(C) 2.26

(D) 2.27

25 What is 26.387 rounded to the nearest **tenth**?

(A) 30.0

(B) 26.4

(C) 26.39

(D) 26.30

26 Select the **two** statements that are **incorrect**.

(A) 0.1951 rounds to 0.19

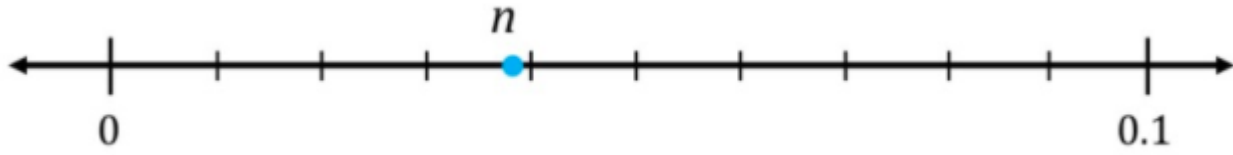
(B) 1.3976 rounds to 1.398

(C) 2.8102 rounds to 2.7

(D) 5.2547 rounds to 5.25

(E) 6 0007 rounds to 6.001

27 A number n is shown on the number line.



1. The tick marks are evenly spaced. Label them.
2. What is n rounded to the nearest hundredth?
3. What is n rounded to the nearest tenth?

28 Mrs. Bell wrote the expanded form of a number, as shown.

$$5 \times 100 + 4 \times 10 + 6 \times 1 + 2 \times \left(\frac{1}{10}\right) + 8 \times \left(\frac{1}{1000}\right)$$

What is the number written in standard form?

29 Which numbers or expressions have the same value as twenty-nine thousandths?

Select the **two** correct answers.

(A) 0.29

(B) 2.9

(C) 0.029

(D) $2 \times \frac{1}{10} + 9 \times \frac{1}{1000}$

(E) $2 \times \frac{1}{10} + 9 \times \frac{1}{100}$

(F) $2 \times \frac{1}{100} + 9 \times \frac{1}{1000}$

- 30 The table below shows the measurements of the human eye.

Human Eye Measurements

Measurement	Number of Inches
Back to front	0.94
Bottom to top	0.91
Side to side	0.94

Which statement correctly compares the side to side measurement with the bottom to top measurement?

- (A) $0.94 > 0.91$
- (B) $0.94 = 0.94$
- (C) $0.91 > 0.94$
- (D) $0.91 = 0.91$

31 Select the **two** correct comparisons.

(A) $0.057 < 0.008$

(B) $0.057 < 0.57$

(C) $0.57 = 0.570$

(D) $0.57 > 1.001$

(E) $0.057 < 0.049$

32 a. Which is greater, 0.01 or 0.001? Explain. Draw a picture to illustrate your explanation.

b. Which is greater, 0.03 or 0.007? Explain. Draw a picture to illustrate your explanation.

c. Which is greater, 0.025 or 0.052? Explain. Draw a picture to illustrate your explanation.

d. Which is greater, 0.13 or 0.031? Explain. Draw a picture to illustrate your explanation.

e. Which is greater, 0.203 or 0.21? Explain. Draw a picture to illustrate your explanation.

