

1. Dr. Gallo’s waiting room has a total of 18 magazines, including 3 fashion magazines. There are 5 more cooking magazines than there are decorating magazines. How many decorating magazines are there? You can use cubes to act out the problem.

- A 5
- B 6
- C 10
- D 15

2. Gisela is putting her 35 CDs into categories. She has 11 that are pop music, and she has 3 times as many rock CDs as she has classical. How many rock CDs does Gisela have? You can use cubes to act out the problem.

- A 24
- B 20
- C 18
- D 6

3. An order comes in to Extreme Skate Co. for 56 pairs of its most popular skate shoes, including 14 pairs of grey. The order calls for 4 times as many hot pink pairs as red pairs, and 3 more pairs of black than grey. How many pairs of hot pink shoes were ordered?

- A 5
- B 17
- C 20
- D 42

4. Arturo’s Nursery has 48 tree seedlings ready to sell. There are 16 magnolia seedlings. There are 2 times as many dogwood seedlings as oak seedlings. There are 2 more magnolia seedlings than pine seedlings. How many of each type of seedling is ready to sell? Use the table.

Seedling	Number Ready to Sell
Magnolia	16
Dogwood	
Oak	
Pine	

5. Mr. Canela’s 42 students voted on a class mascot. The gorilla received 8 votes. The python received 3 times as many votes as the giraffe, and the crocodile received 2 more votes than the gorilla. How many votes did each animal receive? Use the table.

Mascot	Number of Votes
Gorilla	8
Python	
Giraffe	
Crocodile	

1. Use mental math to find the product.

$$9.3 \times 100$$

- A** 0.093  
**B** 93  
**C** 930  
**D** 9,300

2. Saul earns \$25.75 each time he takes care of the Norman family's pets over a long weekend. If he takes care of the Normans' pets for 10 long weekends this year, how much money will he have earned?

- A** \$2,575.00  
**B** \$257.50  
**C** \$35.75  
**D** \$2.575

3. Find the difference.

$$54.59 - 26.61$$

- A** 81.20  
**B** 38.98  
**C** 32.18  
**D** 27.98

4. Kelvin rides the bus 7.78 miles to school each day. After 100 days of riding the bus, how many miles has he spent on the bus on the way to school?

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5. Use mental math to find each product.

$$0.07 \times 10$$

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$$4.41 \times 100$$

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$$0.058 \times 1,000$$

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$$12.77 \times 100$$

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$$0.26 \times 1,000$$

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$$0.003 \times 10$$

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1. Find the product.

$$6.5 \times 5$$

- A** 33.5  
**B** 32.5  
**C** 32.0  
**D** 30.5

2. Zoe plants a sunflower seed and tracks its growth. The seedling measures 3.71 inches after the first month. If Zoe's plant grows 3.71 inches each month for 12 months, how many inches tall will it be at the end of one year?

- A** 10.13 inches  
**B** 34.52 inches  
**C** 43.52 inches  
**D** 44.52 inches

3. Find the sum.

$$68.47 + 121.35$$

- A** 52.88  
**B** 63.98  
**C** 189.72  
**D** 189.82

4. Maria Elena is planning to paint a horizontal stripe around the middle of her bedroom. Each of her 4 walls measures 168.2 inches. How many inches long will the stripe be?

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5. Find each product.

$$7.1 \times 4 \text{ _____}$$

$$0.33 \times 9 \text{ _____}$$

$$18.2 \times 7 \text{ _____}$$

$$0.078 \times 2 \text{ _____}$$

$$42.6 \times 3 \text{ _____}$$

$$23 \times 0.05 \text{ _____}$$

$$380 \times 0.006 \text{ _____}$$

$$6,400 \times 0.2 \text{ _____}$$

1. Ms. MacDowell is buying her class of 27 students end-of-year gifts. Each gift costs \$3.39, including tax. About how much is Ms. MacDowell spending on gifts for her students? Use the rounding strategy.

**A** about \$60  
**B** about \$80  
**C** about \$90  
**D** about \$100

2. Estimate the product using compatible numbers.

$$0.67 \times 623$$

**A** about 420  
**B** about 360  
**C** about 42  
**D** about 36

3. Find the difference:  $73.92 - 49.63$ .

**A** 34.39  
**B** 34.29  
**C** 24.39  
**D** 24.29

4. Estimate each product using rounding or compatible numbers.

$$0.67 \times 322 \underline{\hspace{2cm}}$$

$$3.12 \times 71 \underline{\hspace{2cm}}$$

$$18.88 \times 23 \underline{\hspace{2cm}}$$

$$207 \times 0.51 \underline{\hspace{2cm}}$$

$$0.165 \times 44 \underline{\hspace{2cm}}$$

$$0.42 \times 25 \underline{\hspace{2cm}}$$

$$1.91 \times 787 \underline{\hspace{2cm}}$$

5. For math class, Boone is using his shoe to measure one of his classroom walls. He finds that the wall is 27 shoes long. His shoe measures 9.8 inches long. Use compatible numbers to find about how many inches long the wall is.

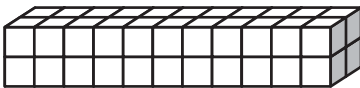
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- A computer can load 1,247 megabytes in 40 seconds. Which best describes the loading speed of the computer?
  - A Around 20 megabytes per second
  - B Nearly 28 megabytes per second
  - C Close to 31 megabytes per second
  - D More than 40 megabytes per second
  
- The table shows the number of square feet painted by three house painters.

Painter	Square Feet Painted	Days Worked
Megan	604	5
John	521	4
Cathy	460	3

Which best describes John's average painting speed?

- A Almost 120 square feet per day
  - B Almost 130 square feet per day
  - C Almost 140 square feet per day
  - D Almost 150 square feet per day
- A model of 1-foot cubes is shown below.



What is the volume of this model?

- A 50 cubic feet
- B 44 cubic feet
- C 40 cubic feet
- D 34 cubic feet

- List the painters in Question 2 in order from slowest to fastest average painting speed.

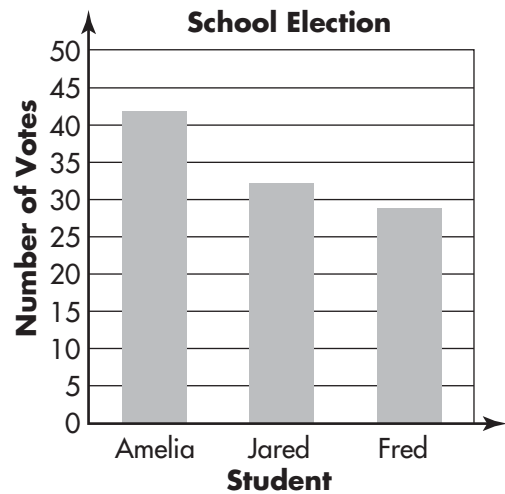
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- A business earns \$63,745 in March and \$81,239 in April. How much money did the business earn during these two months?

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- The graph shows the number of votes for each person in a school election.



Which student won the election?

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1. Which shows the correct quotient?

$$56.78 \div 100$$

- A 0.05678
- B 0.5678
- C 5.678
- D 567.8

2. Ma'Kayla's project group earns 989.25 points out of 1,000 on their Communities project. The points are to be divided evenly among the 10 people in her group. How many points will each member of the group receive?

- A 9,892.5
- B 98.925
- C 9.8925
- D 0.98925

3. Find  $123.63 - 98.71$ .

- A 24.92
- B 35.12
- C 35.92
- D 222.34

4. Lam wants to earn enough money to buy a robot. The robot he wants costs \$289.95. He decides to try to earn the money in 100 days. How much money will Lam need to earn each day in order to have the full amount in 100 days? Round your answer to the nearest cent.

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5. Find the quotients.

$$35.86 \div 10 \quad \underline{\hspace{2cm}}$$

$$9.55 \div 1,000 \quad \underline{\hspace{2cm}}$$

$$257.16 \div 100 \quad \underline{\hspace{2cm}}$$

$$1.805 \div 1,000 \quad \underline{\hspace{2cm}}$$

$$710.5 \div 10 \quad \underline{\hspace{2cm}}$$

$$0.742 \div 1,000 \quad \underline{\hspace{2cm}}$$

$$9.3 \div 100 \quad \underline{\hspace{2cm}}$$

1. Which answer shows the correct quotient?

$$70 \overline{)3.5}$$

- A** 5  
**B** 0.5  
**C** 0.05  
**D** 0.005

2. Mrs. Mistry's subscription to the newspaper costs \$26.75 for 5 months. How much money is she paying each month?

- A** \$0.53  
**B** \$0.54  
**C** \$5.35  
**D** \$5.37

3. Round each number to the nearest whole number, then find the difference.

$$23.89 - 19.12 = ?$$

- A** about 6  
**B** about 5  
**C** about 4  
**D** about 3

4. Four of Carolina's friends are throwing her a surprise birthday party. The total cost of the cake, the decorations, and the present is \$94.28. How much will each of the four friends have to pay?

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5. For each of the following problems, find the quotient.

$$12 \overline{)2.4} \quad \underline{\hspace{2cm}}$$

$$80 \overline{)4.8} \quad \underline{\hspace{2cm}}$$

$$6 \overline{)72.6} \quad \underline{\hspace{2cm}}$$

$$30 \overline{)1.2} \quad \underline{\hspace{2cm}}$$

$$80 \overline{)46.68} \quad \underline{\hspace{2cm}}$$

$$20 \overline{)232.62} \quad \underline{\hspace{2cm}}$$

1. Estimate the quotient:  $9.43 \div 3$ .

- A about 3
- B about 6
- C about 10
- D about 27

2. In the 6 months Angie has spent preparing to run a marathon, she has run 780.3 miles. About how many miles has Angie run each month?

- A about 200 miles
- B about 130 miles
- C about 80 miles
- D about 78 miles

3. Find  $251.9 + 37.7$ .

- A 214.2
- B 288.6
- C 289.6
- D 628.9

4. Ty's 3 dogs eat 47.75 pounds of dog food each week all together. About how many pounds does each dog eat each week?

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5. Estimate the quotients.

$73.61 \div 2$  \_\_\_\_\_

$399.7 \div 5$  \_\_\_\_\_

$118.51 \div 4$  \_\_\_\_\_

$39.74 \div 40$  \_\_\_\_\_

$192.78 \div 45$  \_\_\_\_\_

6. Soledad has saved \$36.25, which she uses to buy 4 nail polish sets at her favorite store. About how much did she spend on each nail set?

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1. Find the quotient.

$2.7 \div 0.9$

- A** 30  
**B** 3  
**C** 0.3  
**D** 0.03

2. Benjamin finished his triathlon in 12.44 hours. During the race, he drank 460.28 fluid ounces of liquid. How many fluid ounces did he drink per hour?

- A** 3.7 fl oz  
**B** 3.788 fl oz  
**C** 37 fl oz  
**D** 37.88 fl oz

3. Which answer is correct?

$347.14 - 58.71$

- A** 311.63  
**B** 299.43  
**C** 298.43  
**D** 288.43

For 4 and 5, use the chart below.

Candy	Price per Piece
Gumballs	\$0.08
Sour Straws	\$0.04
Jawbreakers	\$0.40
Licorice Rope	\$0.16

4. Tania brings \$8.32 to the candy store. She wants to buy 21 jawbreakers. Does she have enough money? Round your answer down to the nearest whole number.

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5. Tania divides her money into two equal amounts. How many sour straws can she buy with half of her money? How many licorice ropes can she buy with the second half of her money?

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