

A school baking club collected ingredients for a recipe contest. The sixth grade collected $48\frac{1}{2}$ cups of flour. The seventh grade collected $36\frac{3}{4}$ cups of flour. How many cups of flour did they collect in total?

Harry has 2,700 pictures and Meghan has 2,300 pictures. How many pictures do Harry and Meghan have?

The perimeter of a triangle is 104 units. The combined length of two of the sides of the triangle is 64 units. What is the length of the third side of the triangle in units?

Michael swam 200 laps in his second swim meet. In both his first and second swim meets, Michael swam 534 laps. How many laps did Michael swim in his first swim meet?

SCHEMA: T

SCHEMA: T

SCHEMA: T

SCHEMA: T

A school cafeteria is preparing snack packs for students. On the first day, the cafeteria uses 12.75 pounds of trail mix for sixth-grade snack packs. On the second day, the cafeteria uses 15.5 pounds of trail mix for seventh-grade snack packs. On the third day, the cafeteria uses 9.5 pounds of trail mix for eighth-grade snack packs. How many pounds of trail mix did the cafeteria use across the three days?

Johnny bought 445 orange, white, and pink golf balls. He bought 228 orange golf balls and 179 white golf balls. How many pink golf balls did Johnny buy?

Mr. Maclane drove $577\frac{1}{5}$ miles. Ms. Lopez drove $165\frac{2}{5}$ miles. How many more miles did Mr. Maclane drive than Ms. Lopez?

Jacob's tomato plant is 12.75 inches tall. His carrot plant is 24.25 inches tall. How much taller is his carrot plant?

SCHEMA: T (three parts)

SCHEMA: T (three parts)

SCHEMA: D

SCHEMA: D

The food truck sold 18.75 more trays of tacos on Monday than on Tuesday. The food truck sold 42.5 trays of tacos on Tuesday. How many trays of tacos did the food truck sell on Monday?

Aniyah has 322 more colored pencils in her blue pencil box than in her pink pencil box. If she has 108 colored pencils in her pink pencil box, how many colored pencils are in her blue pencil box?

The main loop of the city walking trail is $18\frac{1}{2}$ kilometers longer than the side loop of the city walking trail. If the main loop is $45\frac{1}{2}$ kilometers long, how long is the side loop?

Malik made \$160.99 less mowing lawns than washing cars. Malik made \$450.75 washing cars. How much did Malik make mowing lawns?

SCHEMA: D

SCHEMA: D

SCHEMA: D

SCHEMA: D

A hiker starts at base camp at an elevation of 300 feet above sea level. Then, the hiker climbs 450 feet onto a ridge. What is the hiker's final elevation relative to sea level?

A science lab container held 52.75 liters of liquid at the beginning of the week. By Friday, the container held 31.5 liters of liquid. How much liquid was used during the week?

The library had a lot of books. Then 1,134 books were checked out by students. There are 2,798 books left. How many books did the library have before students checked out books?

Visha brought \$38.20 to the arcade, then she spent some money playing games. She has \$9.99 left. How much money did Visha spend on games?

SCHEMA: C

SCHEMA: C

SCHEMA: C

SCHEMA: C

Darla baked 56 cookies. She gave 18 cookies to her friend, then she ate 2 cookies. How many cookies does she have now?

Darren bought 10.75 pounds of onions. The next day he returned to the store to buy another 0.75 pounds of onions. How many pounds of onions does Darren have now?

Julie had \$237 to spend. She returned a calculator and received a \$128 refund. She then bought a chair for \$62. How much money did Julie have to spend after buying the chair?

There were 835 fans watching the game. At halftime, 54 fans left. Then, 97 new fans arrived. How many fans are watching the game now?

SCHEMA: C

SCHEMA: C (multi-step)

SCHEMA: C (multi-step)

SCHEMA: C (multi-step)

Jaida worked $21\frac{1}{2}$ hours last week. She earned \$11.60 per hour of work. How much money did Jaida earn last week?

Josette has 178 coins that are each worth \$0.05. What is the total value of Josette's coins in dollars and cents?

The coffee shop sold 3 cups of coffee to each customer. If the coffee shop had 534 customers, how many cups of coffee did they sell?

A chemistry teacher divided 31.5 ounces of vinegar equally among all the students in a class. If each student got exactly 1.5 ounces of vinegar, how many students are in the class?

SCHEMA: EG

SCHEMA: EG

SCHEMA: EG

SCHEMA: EG

Teddy picked 768 vegetables.
If there were 32 vegetables in each
row, how many rows were there?

The boat traveled 168 miles. The
boat traveled 56 miles each hour.
How many hours did the boat
travel?

There are 225 seats on the airplane.
There are 3 people in each airplane row.
How many rows are on the airplane?

A group of 4 friends paid a total of
\$50.24 for tickets to a museum. Each
friend paid the same amount for a ticket.
How much did each friend pay for a
ticket to the museum?

SCHEMA: EG

SCHEMA: EG

SCHEMA: EG

SCHEMA: EG

The length of a rectangle is 7 inches, and the area of the rectangle is 199.5 square inches. What is the width of the rectangle in inches?

Hector paid \$105 for 6 tickets to a hockey game. Each ticket cost the same amount. What was the cost of each ticket in dollars and cents?

The Garcia family bought 3 tickets to the zoo for \$84. What is the unit price per ticket?

A school counselor sorts 875 students into 35 classrooms with the same number of students in each classroom. What is the relationship between the number of students and number of classrooms?

SCHEMA: EG

SCHEMA: EG

SCHEMA: EG

SCHEMA: EG

At a student leadership conference, the debate team registered 18 students. The STEM club registered 3 times as many students as the debate team. How many students did the STEM club register?

Ricardo saved \$49.50 in April to buy a baseball glove. Ricardo saved 3 times as much money in May. How much money did Ricardo save in May?

Emilia grew 112 carrots in her garden. She grew twice as many zucchini. How many zucchini did she grow?

On a safari, Liam saw 13 giraffes. He saw 15 times as many zebras. How many zebras did he see?

SCHEMA: S

SCHEMA: S

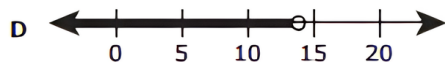
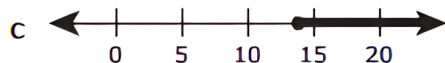
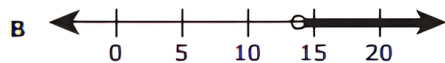
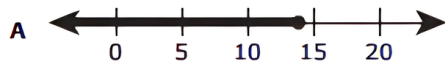
SCHEMA: S

SCHEMA: S

The flower shop sold 15 times as many roses as tulips. If the flower shop sold 165 roses, how many tulips did they sell?

The dog buried 11 times as many bones in the front yard as in the back yard. If the dog buried 24 bones in the front yard, how many bones did the dog bury in the back yard?

Alma reads 2 books each week. Which number line best represents the number of weeks it will take her to read at least 28 books?



A grocery store orders 8 large containers of milk for every 14 small containers of milk. What is the ratio of the number of large containers of milk to small containers of milk in an order from the grocery store?

SCHEMA: S

SCHEMA: S

SCHEMA: R/P

SCHEMA: S

To make hummingbird nectar, you use a ratio of 1 part sugar to 4 parts water. If a backyard feeder needs 20 cups of water, how many cups of sugar do you need to feed the birds?

A baseball traveled 330 feet in 5 seconds. At what rate did the baseball travel per second?

Emiline earns \$6.50 for each hour of work as a babysitter. How much will she earn for working 5.5 hours as a babysitter?

A recipe for fruit salad includes $\frac{1}{3}$ cup of grapes for 4 servings. How many cups of grapes are needed for 30 servings of this fruit salad?

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

An engineer created a scale drawing of a building using a scale in which 0.25 inch represents 2 feet. The length of the actual building is 250 feet. What is the length in inches of the building in the scale drawing?

A survey showed that 8 out of 20 homeowners in a neighborhood had cable television. If there were 320 homeowners in the neighborhood, how many could be expected to have cable television?

A total of 96 dogs and cats were taken to a veterinarian's office last week. The ratio of dogs to cats was 3:5. How many of the animals taken to the veterinarian's office were cats?

A researcher asked 120 people if they preferred swimming in a pool or swimming at the beach. The data collected showed that 2 out of 10 people preferred swimming at the beach. What was the total number of people who preferred swimming at the beach?

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

A store manager determined that 78% of customers who make a purchase pay with a credit card. Based on that information, how many customers out of 1,500 will pay with a credit card?

The ratio of chocolate candies to sour candies in a box is 5:8. If there are 30 chocolate candies, how many sour candies are in the box?

Skye is making a necklace. She uses 6 red beads and 10 black beads. What ratio represents the number of red beads to the number of black beads Skye uses?

A store sells 12 pairs of socks for \$15. What is the price per pair of socks?

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

The cost for electricity varies directly with the amount of kilowatt-hours of electricity used.

The cost for using 1,079 kilowatt-hours of electricity was \$129.48. What was the cost for using 908 kilowatt-hours of electricity?

On a shelf, the ratio of science books to math books is 4:3. There are 36 science books on the shelf. How many math books are on the shelf?

A house has a height of 25 feet. There are approximately 3.28 feet in 1 meter. What is the height of the house in meters?

A floor is made of green tiles and blue tiles. The ratio of green tiles to blue tiles is 7:13. The floor has a total of 3,000 tiles. How many of the floor tiles are blue?

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

Malik owns a lawn-mowing business. The number of lawns he mows varies directly with the number of hours he works. On Tuesday he mowed 4 lawns in 5 hours. How many lawns can Malik mow on Wednesday if he works for 7.5 hours?

Dennis made an extra \$245.00 for selling furniture. The extra \$245.00 was 7% of the total value of the furniture he sold. What was the total value of the furniture Dennis sold?

In a neighborhood $\frac{12}{40}$ of the lots have three or more trees. What percentage is equivalent to the portion of lots in the neighborhood with three or more trees?

During a 90-minute school play, the main character was on stage 80% of the time. What amount of time in minutes was the main character on stage?

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

A veterinarian examined 32 animals on Thursday. Of the animals she examined, 25% of them were dogs. How many dogs did the veterinarian examine on Thursday?

The owner of a bookstore buys used books from customers for \$1.50 each. The owner then resells the used books for 400% of the amount he paid for them. What is the price of a used book in this bookstore?

The price of a computer is \$899.00. The sales tax rate is 7%. What is the sales tax on this computer in dollars and cents?

A certain type of brass contains 65% copper. How many pounds of copper are contained in 120 pounds of the brass?

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: R/P

A recycling bin contained 40 pounds of plastic in October and 50 pounds of plastic in November.

By what percentage did the amount of plastic increase from October to November?

In a park, 40% of the trees change color in the fall. There are 500 trees in the park. How many trees in the park change color in the fall?

The cost of groceries for the Perez family was \$210.00. The family used a coupon for 25% off the cost. What was the final cost after the coupon was used?

The length of a marathon race is 26 miles 385 yards. What is the total length of the marathon race in yards?

SCHEMA: R/P

SCHEMA: R/P

SCHEMA: EG & T (multi-step)

SCHEMA: R/P

A student ran a distance of $3\frac{1}{2}$ miles each day for 5 days. Then the student ran a distance of $4\frac{1}{4}$ miles each day for the next 5 days.

What was the total distance in miles the student ran during these 10 days?

Chad will have new carpet put on the rectangular floors of two rooms in his house. One floor is $12\frac{1}{2}$ feet long, and the other floor is $15\frac{3}{4}$ feet long.

Each floor has a width of 10 feet. What is the total area in square feet of the new carpet?

Ms. Avery sold tomatoes at a local farmers market over a two-week period.

- She sold 4.8 pounds of tomatoes on each of 3 days during the first week.
- She sold 5.6 pounds of tomatoes on each of 4 days during the second week.

How many pounds of tomatoes did Ms. Avery sell during the two-week period?

A survey of 150 employees at a company asked which type of transportation the employee uses to get to work. If 38% percent of workers use a car, how many workers use a car?

SCHEMA: EG, EG, & T (multi-step)

SCHEMA: EG, EG, & T (multi-step)

SCHEMA: R/P

SCHEMA: EG, EG, & T (multi-step)

A cafeteria manager recorded fruit usage over two days. On Monday, 18.75 pounds of fruit were used. On Tuesday, the manager used $\frac{4}{3}$ times as much fruit as Monday. How many more pounds of fruit were used on Tuesday than on Monday?

Jenn has 50 marbles. She keeps an equal number of marbles in 5 bags. Each bag has half as many rocks as marbles. How many rocks are in each bag?

Frank used the following ingredients to make trail mix:

- 34 ounces of granola
- 20 ounces of raisins
- 16 ounces of chocolate chips

What was the difference between the combined amount of raisins and chocolate chips and the amount of granola Frank used?

SCHEMA: EG & EG (multi-step)

SCHEMA: EG & D (multi-step)

SCHEMA: T & D (multi-step)