

Worted Problems Part 1

Answer each question and round your answer to the nearest whole number.

- 1) Abhasra enlarged the size of a rectangle to a height of 20 in. What is the new width if it was originally 2 in wide and 4 in tall?
A) 100 in B) 11 in C) 10 in D) 4 in
- 2) If you can buy one papaya for \$3, then how many can you buy with \$12?
A) 2 B) 3 C) 36 D) 4
- 3) Jennifer reduced the size of a rectangle to a height of 3 in. What is the new width if it was originally 6 in tall and 2 in wide?
A) 4 in B) 3 in C) 2 in D) 1 in
- 4) One package of fresh chives costs \$2. How many packages can you buy for \$18?
A) 9 B) 11 C) 36 D) 10

- 5) A rectangle is 3 in wide and 1 in tall. If it is enlarged to a height of 3 in, then how wide will it be?
- A) 7 in B) 8 in C) 9 in D) 10 in

- 6) Rob was planning a trip to Peru. Before going, he did some research and learned that the exchange rate is 3 Nuevos Soles = \$1. How many Nuevos Soles would he get if he exchanged \$6?
- A) 2 Nuevos Soles B) 16 Nuevos Soles
C) 18 Nuevos Soles D) 19 Nuevos Soles

- 7) Jasmine bought one can of pineapple chunks for \$2. How many cans of pineapple chunks can James buy if he has \$20?
- A) 9 B) 10 C) 8 D) 40

- 8) Jack enlarged the size of a rectangle to a width of 10 in. What is the new height if it was originally 2 in wide and 3 in tall?
- A) 2 in B) 15 in C) 1 in D) 17 in

- 9) A photo is 4 in tall and 2 in wide. If it is enlarged to a height of 12 in, then how wide will it be?
- A) 6 in B) 4 in C) 3 in D) 5 in

- 10) One seedless watermelon costs \$2. How many watermelons can you buy for \$4?
- A) 2 B) 1 C) 8 D) 3

- 11) Shawna is cooking bread. The recipe calls for 3 cups of flour. She accidentally put in 4 cups. How many extra cups did she put in?
- A) 5 B) 3 C) 2 D) 1

- 12) If the weight of a package is multiplied by $\frac{3}{8}$ the result is 24 pounds. Find the weight of the package.
- A) 76 B) 72 C) 68 D) 64

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- 13) At a restaurant, Jasmine and her six friends decided to divide the bill evenly. If each person paid \$17, then what was the total bill?
- A) \$102 B) \$134 C) \$2.83 D) \$119

- 14) In ten years James will be 75 years old. How old is he now?
- A) 85 B) 70 C) 65 D) 55

- 15) Jenny and her best friend found some money buried in a field. They split the money evenly, each getting \$26. How much money did they find?
- A) \$48 B) \$52 C) \$43 D) \$13

- 16) Mary wants to buy shoes for \$123. She gives the cashier \$150. What is her change?
- A) \$25 B) \$273 C) \$246 D) \$27

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- 17) Jennifer wants to buy socks that cost \$13.07. How much change does she receive if she gives the cashier \$20?
- A) \$6.93 B) \$33.07 C) \$7.97 D) \$26.14

- 18) How many packages of diapers can you buy with \$21 if one package costs \$7?
- A) 4 B) 5 C) 3 D) 6

- 19) Tissues cost \$3.12 / box. How many boxes did Beth buy if she spent \$18.72?
- A) 9 B) 6 C) 7 D) 8

- 20) A hungry elf ate 24 of your muffins. That was $\frac{4}{5}$ of all of them! With how many did you start?
- A) 27 B) 30 C) 19.2 D) 25

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- 21) Ashley's Bikes rents bikes for \$10 plus \$8 per hour. Lea paid \$34 to rent a bike. For how many hours did she rent the bike?
- A) 7 B) 4 C) 3 D) 4.25

- 22) You had \$23 to spend on eight pencils. After buying them you had \$7. How much did each pencil cost?
- A) \$0.88 B) \$5 C) \$2.88 D) \$2

- 23) Abhasra sold half of her comic books and then bought seven more. She now has 19. With how many did she begin?
- A) 38 B) 24 C) 31 D) 45

- 24) On Tuesday Eugene bought ten CDs. On Wednesday half of all the CDs that he had were destroyed. On Thursday there were only 24 left. How many did he have on Monday?
- A) 14 B) 28 C) 7 D) 38

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- 25) Stefan had some candy to give to his four children. He first took five pieces for himself and then evenly divided the rest among his children. Each child received four pieces. With how many pieces did he start?
- A) 26 B) 21 C) 23 D) 24

- 26) On Tuesday Daniel bought five CDs. On Wednesday half of all the CDs that he had were destroyed. On Thursday there were only 11 left. How many did he have on Monday?
- A) 17 B) 3 C) 12 D) 6

- 27) Danielle won 43 super bouncy balls playing the bean bag toss at the county fair. At school she gave two to every student in her math class. She only has 5 remaining. How many students are in her class?
- A) 10 B) 21 C) 24 D) 19

- 28) How old am I if 400 reduced by 4 times my age is 116?
- A) 72 B) 71 C) 64 D) 76

- 29) The sum of three consecutive odd numbers is 39. What is the smallest of these numbers?
A) 15 B) 13 C) 9 D) 11

- 30) Trevon rented a bike from Julia's Bikes. It cost \$10 plus \$5 per hour. If Trevon paid \$20, then he rented the bike for how many hours?
A) 4 B) 3 C) 2 D) 1

Answer each question and round your answer to the nearest whole number.

- 31) A 2 ft tall lawn ornament standing next to a car casts a 1 ft shadow. If the car casts a shadow that is 2 ft long, then how tall is it?
A) 8 ft B) 6 ft C) 1 ft D) 4 ft

- 32) If a 9 ft tall telephone booth casts a 15 ft long shadow, then how tall is a cardboard box that casts a 10 ft shadow?
A) 5 ft B) 4 ft C) 25 ft D) 6 ft

- 33) A model rocket has a scale of 1 cm : 2 m.
If the real rocket is 18 m tall, then how tall
is the model rocket?
- A) 1 cm B) 9 cm C) 16 cm D) 36 cm

- 34) A 3 ft tall baby elephant standing next to
an adult giraffe casts a 1 ft shadow. If the
adult giraffe casts a shadow that is 6 ft
long, then how tall is it?
- A) 54 ft B) 18 ft C) 9 ft D) 0 ft

- 35) A 6 ft tall cardboard box standing next to a
lawn ornament casts a 18 ft shadow. If the
lawn ornament is 4 ft tall, then how long is
its shadow?
- A) 2 ft B) 1 ft C) 54 ft D) 12 ft

- 36) A model statue has a scale of 1 in : 2 ft. If
the model statue is 10 in tall, then how tall
is the real statue?
- A) 20 ft B) 5 ft C) 2 ft D) 12 ft

- 37) A model power plant has a scale of 1 in : 2 yd. If the real power plant is 12 yd tall, then how tall is the model power plant?
- A) 1 in B) 10 in C) 24 in D) 6 in

- 38) A model rocket has a scale of 1 cm : 2 m. If the real rocket is 12 m tall, then how tall is the model rocket?
- A) 10 cm B) 24 cm C) 1 cm D) 6 cm

- 39) A petrified stump that is 4 ft tall casts a shadow that is 1 ft long. Find the height of a ladder that casts a 2 ft shadow.
- A) 16 ft B) 8 ft C) 32 ft D) 0 ft

- 40) A particular rocket is 16 ft tall. A model of it was built with a scale of 1 in : 4 ft. How tall is the model?
- A) 2 in B) 4 in C) 64 in D) 12 in

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