

WorkKeys Applied Math Test

Level: 3

Question 1: A worker is paid \$18 per hour for their regular hours and \$27 per hour for overtime. If they work 35 regular hours and 5 overtime hours, what is their total pay for the week?

- A. \$630
- B. \$675
- C. \$720
- D. \$765
- E. \$810

Answer: _____

Question 2: A store is offering a 20% discount on a dress originally priced at \$120. What is the final price of the dress after applying the discount?

- A. \$24
- B. \$96
- C. \$100
- D. \$124
- E. \$144

Answer: _____

Question 3: A recipe requires 48 fluid ounces of water. How many cups of water does this equal? (1 cup = 8 fluid ounces)

- A. 4 cups
- B. 6 cups
- C. 8 cups
- D. 10 cups
- E. 12 cups

Answer: _____

Question 4: A recipe calls for 3 cups of flour to make 24 cookies. How many cups of flour are needed to make 48 cookies?

- A. 1.5 cups
- B. 3 cups
- C. 4.5 cups
- D. 6 cups
- E. 7.5 cups

Answer: _____

Question 5: A rectangular garden has a length of 20 feet and a width of 15 feet. What is the area of the garden in square feet?

- A. 200 sq. ft.
- B. 275 sq. ft.
- C. 300 sq. ft.
- D. 400 sq. ft.
- E. 450 sq. ft.

Answer: _____

Question 6: If a store sells 5 shirts for \$100, how much would 3 shirts cost?

- A. \$30
- B. \$40
- C. \$50
- D. \$60
- E. \$70

Answer: _____

Question 7: A 15% sales tax is applied to a \$75 purchase. What is the total cost of the purchase including tax?

- A. \$82.50
- B. \$84.75
- C. \$86.25
- D. \$90
- E. \$93.75

Answer: _____

Question 8: A package weighs 3 pounds and 6 ounces. What is the weight of the package in ounces? (1 pound = 16 ounces)

- A. 42 ounces
- B. 48 ounces
- C. 50 ounces
- D. 54 ounces
- E. 60 ounces

Answer: _____

Question 9: A box of cereal has a serving size of 1.5 cups, and there are 12 servings in the box. How many cups of cereal are in the entire box?

- A. 9 cups
- B. 12 cups
- C. 15 cups
- D. 18 cups
- E. 24 cups

Answer: _____

Question 10: A rectangular room has a length of 12 feet and a width of 8 feet. What is the perimeter of the room in feet?

- A. 20 feet
- B. 32 feet
- C. 40 feet
- D. 48 feet
- E. 96 feet

Answer: _____

Question 11: If 3 pounds of potatoes cost \$1.50, how much would 9 pounds of potatoes cost?

- A. \$3
- B. \$4.50
- C. \$5
- D. \$5.50
- E. \$6

Answer: _____

Question 12: A car rental company charges a flat fee of \$25 per day and an additional \$0.15 per mile driven. If a customer rents a car for 3 days and drives 150 miles, what is the total cost of the rental?

- A. \$57.50
- B. \$75
- C. \$82.50
- D. \$97.50
- E. \$112.50

Answer: _____

Question 13: A recipe calls for 2 cups of milk for every 4 cups of flour. If you have 6 cups of flour, how many cups of milk will you need?

- A. 1 cup
- B. 2 cups
- C. 3 cups
- D. 4 cups
- E. 5 cups

Answer: _____

Question 14: A rectangular banner has a length of 10 feet and a width of 4 feet. What is the area of the banner in square feet?

- A. 14 sq. ft.
- B. 20 sq. ft.

- C. 24 sq. ft.
- D. 28 sq. ft.
- E. 40 sq. ft.

Answer: _____

Question 15: A store sells a pack of 12 pens for \$4.80. What is the cost of a single pen?

- A. \$0.20
- B. \$0.30
- C. \$0.40
- D. \$0.50
- E. \$0.60

Answer: _____

Question 16: A train travels at a constant speed of 60 miles per hour. How far will the train travel in 2.5 hours?

- A. 100 miles
- B. 120 miles
- C. 140 miles
- D. 150 miles
- E. 180 miles

Answer: _____

Question 17: A bakery sells a dozen donuts for \$9. If a customer buys 4 dozen donuts, what is the total cost?

- A. \$18
- B. \$27
- C. \$36
- D. \$45
- E. \$54

Answer: _____

Question 18: A pair of shoes originally costs \$120. During a sale, the price is reduced by 25%. What is the new price of the shoes?

- A. \$75
- B. \$90
- C. \$105
- D. \$110
- E. \$135

Answer: _____

Question 19: A container holds 2 gallons of water. How many quarts of water does the container hold? (1 gallon = 4 quarts)

- A. 4 quarts
- B. 6 quarts
- C. 8 quarts
- D. 10 quarts
- E. 12 quarts

Answer: _____

Question 20: A paint mixture requires 5 parts of red paint to 2 parts of blue paint. If you have 6 parts of blue paint, how many parts of red paint do you need?

- A. 10 parts
- B. 12 parts
- C. 14 parts
- D. 15 parts
- E. 16 parts

Answer: _____

Question 21: A square has a side length of 6 inches. What is the perimeter of the square in inches?

- A. 12 inches
- B. 18 inches
- C. 24 inches

- D. 30 inches
- E. 36 inches

Answer: _____

Question 22: A company pays its employees \$18 per hour for the first 40 hours of work each week and time-and-a-half for any hours worked over 40. If an employee works 45 hours in a week, what is their total pay for the week?

- A. \$720
- B. \$765
- C. \$810
- D. \$855
- E. \$900

Answer: _____

Question 23: A delivery truck can carry 24 boxes at a time. If there are 80 boxes to be delivered, how many full trips will the truck need to make?

- A. 3 trips
- B. 4 trips
- C. 5 trips
- D. 6 trips
- E. 7 trips

Answer: _____

Question 24: A customer received a 10% discount on an item that originally cost \$80. How much did the customer pay for the item?

- A. \$60
- B. \$68
- C. \$70
- D. \$72
- E. \$80

Answer: _____

Question 25: A recipe requires 2.5 liters of water. How many milliliters of water does this equal? (1 liter = 1,000 milliliters)

- A. 250 milliliters
- B. 500 milliliters
- C. 2,000 milliliters
- D. 2,500 milliliters
- E. 3,000 milliliters

Answer: _____

Question 26: A car travels 160 miles on 8 gallons of gas. How many miles can it travel on 12 gallons of gas?

- A. 180 miles
- B. 240 miles
- C. 300 miles
- D. 320 miles
- E. 360 miles

Answer: _____

Question 27: A circle has a diameter of 14 inches. What is the circumference of the circle? (Use $\pi \approx 3.14$)

- A. 28 inches
- B. 44 inches
- C. 49 inches
- D. 56 inches
- E. 62 inches

Answer: _____

Question 28: A group of friends wants to split the cost of a \$150 hotel room evenly among 5 people. How much does each person pay?

- A. \$20
- B. \$25
- C. \$30

- D. \$35
- E. \$40

Answer: _____

Question 29 A store sells apples for \$1.20 per pound. If a customer buys 4 pounds of apples, what is the total cost?

- A. \$3.60
- B. \$4.80
- C. \$5.60
- D. \$6.40
- E. \$7.20

Answer: _____

Question 30: A store is offering a 15% discount on all items. If a jacket originally costs \$65, what is the price of the jacket after the discount?

- A. \$50
- B. \$52.25
- C. \$55.25
- D. \$58.75
- E. \$62.50

Answer: _____

Question 31: A bag of sugar weighs 5 kilograms. How many grams does the bag of sugar weigh? (1 kilogram = 1,000 grams)

- A. 500 grams
- B. 1,000 grams
- C. 2,000 grams
- D. 3,000 grams
- E. 5,000 grams

Answer: _____

Question 32: A car can travel 450 miles on 15 gallons of gas. How many miles can the car travel on 25 gallons of gas?

- A. 650 miles
- B. 750 miles
- C. 800 miles
- D. 900 miles
- E. 1,000 miles

Answer: _____

Question 33: A rectangle has a length of 15 meters and a width of 4 meters. What is the area of the rectangle in square meters?

- A. 30 sq. meters
- B. 45 sq. meters
- C. 60 sq. meters
- D. 75 sq. meters
- E. 90 sq. meters

Answer: _____

Question 34: A store sells 3 types of candy bars: small, medium, and large. Small candy bars cost \$0.50 each, medium candy bars cost \$0.75 each, and large candy bars cost \$1.25 each. If a customer buys 2 small, 3 medium, and 1 large candy bar, what is the total cost?

- A. \$3.25
- B. \$3.75
- C. \$4.25
- D. \$4.75
- E. \$5.25

Answer: _____

Question 35: A customer buys a shirt that costs \$12.50 and a pair of pants that costs \$25.75. If the customer pays with a \$50 bill, how much change will they receive?

- A. \$11.75

Try -> [ACT WorkKeys Practice Test](#)

- B. \$12.25
- C. \$14.50
- D. \$15.25
- E. \$16.00

Answer: _____

Question 36: A store is offering a 15% discount on all items during a sale. If a jacket originally costs \$85, what will be the discounted price?

- A. \$12.75
- B. \$72.25
- C. \$74.80
- D. \$76.50
- E. \$102.00

Answer: _____

Answer Key Link: <https://gotestprep.com/act-workkeys-applied-math-level-3-practice-test/>