

ASVABSOURCE.COM- Study Guide PDF- Arithmetic 30 Questions, 36minutes to complete.

- A  \$ 40
- B  \$45
- C  \$50
- D  \$75

to be answered

question 2

**How many 3-person groups can be formed in a club with 8 people?**

- A  24
- B  48
- C  56
- D  78

to be answered

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question 3

**Daria can wash and detail 3 cars in 2 hours. Larry can wash and detail the same 3 cars in 1.5 hours. About how long will it take to wash and detail the 3 cars Daria and Larry worked together?**

- A  28 minutes
- B  42 minutes
- C  51 minutes
- D  1.2 hours

to be answered

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question 4

**In a class of 200 students, 120 students take German, and 100 study French. If a student must study at least one of these languages, what percent of the students study French but not German?**

- A  20%
- B  40%
- C  60%
- D  80%

to be answered

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question 5

The sales tax rate in Jackson is 8% of which the town keeps all the proceeds. The town is saving for a new traffic meter which costs \$124. How much must the Jackson sell to earn enough money to purchase the new traffic meter?

- A  \$992
- B  \$644
- C  \$1148.15
- D  \$1550

to be answered

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question 6

A builder has a wooden board measuring 231" long. She needs to cut this board into 20 separate boards. What should the length of each board be?

- A  11.1
- B  12.6
- C  13.2
- D  11.6

to be answered

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question 7

Janet can type 250 words in 5 minutes, what is her typing rate per minute?

- A  70wpm

- B 66wpm
- C 55wpm
- D 50wpm

to be answered

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question 8

**Peter bought 30 party favors for \$105.00. What was the cost of each one?**

- A \$3.50
- B \$3.00
- C \$3.35
- D \$3.55

to be answered

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question 9

**Cindy has 3 pair of slacks and 4 coordinating sweaters. How many different outfits can she wear?**

- A 8
- B 9
- C 12
- D 14

to be answered

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question 10

**At Carmine's Italian Grill the hourly wage for a chef is 20% greater than that of a dishwasher, and the hourly wage of a dishwasher is half as much as the hourly wage of a manager. If a managers wage is \$8.50 per hour, how much less than a manager does a chef earn each hour?**

- A \$4.25
- B \$5.10
- C \$5.95

D \$3.40

to be answered

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question 11

**A florist buys roses at \$0.50 a piece and sells them for \$1.00 a piece. If there are no other expenses, how many roses must be sold in order to make a profit of \$300?**

A 600

B 150

C 200

D 300

to be answered

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question 12

**Six cups of flour are required to make a batch of cookies. How many cups of flour are needed to make enough cookies to fill 12 cookie jars, if each cookie jar holds 1.5 batches?**

A 108

B 90

C 81

D 78

to be answered

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question 13

**If a load of sand weighs 3 tons, it will weigh how many pounds?**

A 3000

B 1,500

C 9000

D 6000

to be answered

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question 14

**If a tanker is towed at the rate of 3 miles an hour, how many hours will be needed to tow the tanker 28 miles?**

- A**  12 hours
- B**  9 hours 20 minutes
- C**  9 hours 15 minutes
- D**  10 hours 30 minutes

to be answered

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question 15

**The secretary spent her 35 hour work week in this manner:  $\frac{1}{5}$  of her time sorting mail,  $\frac{1}{7}$  of her time filing letters, and  $\frac{1}{2}$  of her time typing. The rest of her time she acted as a receptionist. The percentage of her time spent as a receptionist during the week was most nearly**

- A**  6%
- B**  14%
- C**  16%
- D**  26%

to be answered

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question 16

**Renaee went shopping with \$100. and returned home with only \$18.42. How much money did she spend?**

- A**  \$71.58
- B**  \$72.58
- C**  \$81.58
- D**  \$81.68

to be answered

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question 17

The clerk is writing a budget request to upgrade his personal computer system. He wants to purchase 4 mb of RAM, which will cost \$100, two new software programs at a cost of \$350 each, a backup system for \$249 and a pack or writable CD's for \$25. What is the total amount the clerk should write on his budget request?

- A  \$724
- B  \$974
- C  \$1049
- D  \$1074

to be answered

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question 18

Before leaving home Mr. Owens noted that the mileage gauge on his jeep registered at 4,357.4 miles. When he arrived at the base the mileage gauge then registered 4,400.1 miles. How many miles did he drive from his home to the base?

- A  42.3
- B  42.7
- C  47.2
- D  57.3

to be answered

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question 19

Technician Traylor makes \$14.00 an hour. When she works more than 8 hours a day, she gets overtime pay of  $1\frac{1}{2}$  times her regular hourly wage for the extra hours. How much did she earn for working 11 hours in one day?

- A  \$154
- B  \$165
- C  \$175
- D  \$177

to be answered

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question 20

The total length of string needed to mark off a rectangular are 46 feet by 34 feet is

- A  26  $\frac{2}{3}$  Yards
- B  26 Yards
- C  53  $\frac{1}{3}$  yards
- D  54 yards, 1 foot

to be answered

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question 21

What is the simple interest on \$500 at 9% for 2 years?

- A  \$90
- B  \$45
- C  \$94
- D  \$85

to be answered

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question 22

If four friends evenly split  $6\frac{1}{2}$  pounds of candy, how many pounds of candy does each friend get?

- A   $\frac{8}{13}$
- B   $1\frac{5}{8}$
- C   $1\frac{1}{2}$
- D   $1\frac{5}{13}$

to be answered

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question 23

How many  $2\frac{1}{2}$  pound chunks of chocolate can be cut from a single 20-pound piece of chocolate?

- A  2
- B  4
- C  6
- D  8

to be answered

question 24

**A carton contains 9 dozen file folders. If a clerk removes 54 folders, how many folders are left in the carton?**

- A  36
- B  44
- C  54
- D  56

to be answered

question 25

**In a 45 minute basketball game, 30 girls want to play. Only 10 can play at once. If each player is to play the same length of time, how many minutes should each play?**

- A  10
- B  15
- C  17
- D  20

to be answered

question 26

**The average number of emergency calls to the Tickfaw Police station fell from 486.4 per month to 402.5 per month. By how many calls per month did the average fall?**

- A  73.9



- B 83.1
- C 83.7
- D 83.9

to be answered

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question 27

**If it takes 30 minutes to clean off 6 desks, how many hours will it take to clean off 126 desks at the same rate?**

- A 6.3 hours
- B 10.5 hours
- C 16 hours
- D 16.3 hours

to be answered

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question 28

**Sally's Shoe Store put all of its merchandise on sale for 20% off. If Kelley saved \$10 by purchasing one pair of shoes during the sale, what was the original price of the shoes before the sale?**

- A \$15
- B \$40
- C \$50
- D \$70

to be answered

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question 29

**How many 2 ounce slices of cheese are needed to balance 2 pounds of oranges?**

- A 8
- B 12
- C 16

D

24

to be answered

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question 30

**The computer technologist can type 80 words per minute on her word processor. How many minutes will it take her to type a report containing 760**

A

8

B

8 ½

C

9

D

9 ½

Answer Key

- 1.) B
- 2.) C
- 3.) C
- 4.) B
- 5.) C
- 6.) D
- 7.) D
- 8.) A
- 9.) C
- 10.)D
- 11.)A
- 12.)A
- 13.)D
- 14.)B
- 15.)C
- 16.)C
- 17.)D
- 18.)B
- 19.)C
- 20.)C

- 21.)A
- 22.)B
- 23.)D
- 24.)C
- 25.)B
- 26.)D
- 27.)B
- 28.)C
- 29.)C
- 30.)D

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