

FUNCTIONAL MATH FOR DAILY LIVING

Real-World Practical Math Skills

Student Name:

Date:

Score / Progress:

PART 1: MONEY & SHOPPING MATH

*Skills: Coin & bill identification, making purchases, checking change, and unit prices.***Question 1 [Money Value]**

You look into your wallet to buy a snack. You have 2 quarters, 1 dime, and 3 pennies.

• 1 Quarter = 25¢ • 1 Dime = 10¢ • 1 Penny = 1¢

- ☐ A) 63¢
- ☐ B) 53¢
- ☐ C) 73¢
- ☐ D) 38¢

Tip / Reminder: Add them up step-by-step: $25¢ + 25¢ = 50¢$... then add the dime and pennies.

My Answer: _____

Question 2 [Making a Purchase]

A bottle of fruit juice costs \$1.75 at the grocery store. You pay the cashier with a \$2.00 bill (two one-dollar bills).

How much change should the cashier give back to you?

- ☐ A) \$0.15
- ☐ B) \$0.25 (1 quarter)
- ☐ C) \$0.50 (2 quarters)
- ☐ D) \$0.35

Tip / Reminder: Subtract the cost from your payment: $\$2.00 - \$1.75 = ?$

My Answer: _____

Question 3 [Next Dollar Up Method]

You want to buy a deli sandwich that costs \$6.40. You only have paper one-dollar bills (\$1 bills) in your hand.

Using the 'Next Dollar Up' strategy, how many one-dollar bills must you hand the cashier so you have enough to pay?

- ☐ A) 5 one-dollar bills (\$5.00)



- ☐ B) 6 one-dollar bills (\$6.00)
- ☐ C) 7 one-dollar bills (\$7.00)
- ☐ D) 8 one-dollar bills (\$8.00)

Tip / Reminder: Since \$6.40 is more than \$6, round up to the very next whole dollar.

My Answer: _____

Question 4 [Multi-Item Budgeting]

You are buying lunch at a cafeteria. You pick a slice of pizza for \$3.50, an apple for \$1.00, and a carton of milk for \$1.50.

Calculate the total cost of your lunch. Do you have enough money if you have a \$10.00 bill in your wallet?

Tip / Reminder: Line up the decimal points to add: $\$3.50 + \$1.00 + \$1.50$.

Work Space:

Final Answer: _____

Question 5 [Comparing Prices (Smart Shopping)]

Store A sells a box of 6 granola bars for \$3.00. Store B sells the exact same box for \$4.50.

Which store offers the better deal, and how much money do you save by buying from that store?

- ☐ A) Store A is cheaper; you save \$1.50
- ☐ B) Store B is cheaper; you save \$1.50
- ☐ C) Both stores cost the exact same amount
- ☐ D) Store A is cheaper; you save \$0.50

My Answer: _____

PART 2: TIME & DAILY ROUTINES

Skills: Reading clocks, estimating elapsed time, schedules, and setting timers.

Question 6 [Telling Time (Analog & Digital)]

The hour hand on the wall clock points directly between 8 and 9. The minute hand points straight down at the 6.

What time does the clock show?

- ☐ A) 8:30
- ☐ B) 9:30
- ☐ C) 6:40
- ☐ D) 8:06

Tip / Reminder: When the minute hand points to the 6, it represents 30 minutes past the hour.



My Answer: _____

Question 7 [Elapsed Time (Cooking / Baking)]

You put a frozen pizza in the oven at 5:15 PM. The box instructions say it needs to bake for exactly 25 minutes.

What time must you set the kitchen timer for to take the pizza out of the oven?

- ☐ A) 5:30 PM
- ☐ B) 5:40 PM
- ☐ C) 5:45 PM
- ☐ D) 6:00 PM

Tip / Reminder: Add 25 minutes to 15 minutes: $15 + 25 = 40$ minutes.

My Answer: _____

Question 8 [Transit & Bus Schedules]

Your city bus leaves the bus stop at 2:10 PM. It takes you 15 minutes to walk safely from your front door to the stop.

What is the latest time you should leave your house to catch the bus without running?

- ☐ A) 1:45 PM
- ☐ B) 1:55 PM
- ☐ C) 2:05 PM
- ☐ D) 2:25 PM

Tip / Reminder: Count backwards 15 minutes before 2:10 PM.

My Answer: _____

Question 9 [Morning Routine Time Management]

You need to arrive at work or school at 8:30 AM. It takes you 30 minutes to get dressed and eat breakfast, and 20 minutes to ride the bus.

How many total minutes do you need, and what time should you wake up?

Tip / Reminder: Total time needed = 30 min + 20 min = 50 min. Count back 50 minutes from 8:30 AM.

Work Space:

Final Answer: _____

Question 10 [A.M. vs. P.M. Recognition]



Marcus has a doctor appointment scheduled for 10:30 in the morning and a movie with friends at 7:00 in the evening.

Which notation correctly labels these two times?

- ☐ A) Doctor: 10:30 PM | Movie: 7:00 AM
- ☐ B) Doctor: 10:30 AM | Movie: 7:00 PM
- ☐ C) Doctor: 10:30 AM | Movie: 7:00 AM
- ☐ D) Doctor: 10:30 PM | Movie: 7:00 PM

Tip / Reminder: AM is for morning (midnight to noon). PM is for afternoon and evening (noon to midnight).

My Answer: _____

PART 3: KITCHEN, FOOD & MEASUREMENT MATH

Skills: Recipe fractions, doubling ingredients, measuring cups, and reading food labels.

Question 11 [Recipe Measurement (Fractions)]

A pancake recipe calls for 1 cup of flour, but you only have a $\frac{1}{2}$ cup measuring scoop in your drawer.

How many full scoops of the $\frac{1}{2}$ cup measure do you need to make 1 full cup?

- ☐ A) 1 scoop
- ☐ B) 2 scoops
- ☐ C) 3 scoops
- ☐ D) 4 scoops

Tip / Reminder: Think of fractions: $\frac{1}{2} + \frac{1}{2} = 1$ whole.

My Answer: _____

Question 12 [Doubling a Recipe]

You are baking cookies for a party and need to make a double batch (2 times the recipe). The original recipe calls for 2 eggs and 3 tablespoons of butter.

How many eggs and tablespoons of butter do you need for the double batch?

- ☐ A) 3 eggs and 4 tablespoons butter
- ☐ B) 4 eggs and 5 tablespoons butter
- ☐ C) 4 eggs and 6 tablespoons butter
- ☐ D) 2 eggs and 6 tablespoons butter

Tip / Reminder: Multiply each ingredient by 2: (2×2) eggs and (3×2) tbsp butter.

My Answer: _____



Question 13 [Liquid Volume Measurement]

You are washing dishes or making juice. You know that 1 gallon contains 4 quarts.

If you purchase 2 full gallon jugs of drinking water, how many quarts of water do you have in total?

- ☐ A) 6 quarts
- ☐ B) 8 quarts
- ☐ C) 10 quarts
- ☐ D) 4 quarts

My Answer: _____

Question 14 [Food Nutrition Label (Portions)]

A bag of pretzels says: 'Serving Size: 15 pretzels = 110 calories'. You eat 30 pretzels while watching a television show.

How many servings did you eat, and how many total calories did you consume?

Tip / Reminder: Step 1: Divide 30 by 15 to find the number of servings. Step 2: Multiply that number by 110 calories.

Work Space:

Final Answer: _____

Question 15 [Reading Room & Weather Thermometers]

The weather report says it is currently 65°F outside. Later this afternoon, the temperature will rise by 12 degrees.

What will the temperature be this afternoon? (Should you wear a heavy winter coat or a light jacket?)

Tip / Reminder: Add $65 + 12$.

Work Space:

Final Answer: _____

PART 4: CALENDAR, COMMUNITY & HOME LIVING

Skills: Expiration dates, medicine schedules, calendar planning, and home chores.

Question 16 [Reading Expiration Dates]

Today's date is October 8. You open the refrigerator and inspect the milk carton. The date stamped on top reads 'BEST BY: OCT 14'.

Is the milk still safe to drink today? How many days are left before the date on the carton?

- ☐ A) Yes, it is safe; there are 6 days left until Oct 14.
- ☐ B) No, it has already expired by 6 days.



- ☐ C) Yes, it is safe; there are 14 days left.
- ☐ D) No, milk must only be drank on the first day of the month.

Tip / Reminder: Compare today's date (Oct 8) to Oct 14. Subtract: $14 - 8 = ?$

My Answer: _____

Question 17 [Calendar Days & Weekly Planning]

Today is Tuesday. You have an important community job interview scheduled exactly 9 days from today.

What day of the week will your job interview be on?

- ☐ A) Wednesday
- ☐ B) Thursday
- ☐ C) Friday
- ☐ D) Saturday

Tip / Reminder: 7 days from Tuesday is Tuesday again. Now count 2 more days forward (Wednesday, Thursday).

My Answer: _____

Question 18 [Medicine Dosages & Schedules]

A doctor prescribes an allergy medicine with the instruction: 'Take 1 tablet every 8 hours as needed'.

If you take your first tablet at 8:00 AM, at what time should you take your next tablet?

- ☐ A) 12:00 PM (Noon)
- ☐ B) 2:00 PM
- ☐ C) 4:00 PM
- ☐ D) 6:00 PM

Tip / Reminder: Count forward 8 hours from 8:00 in the morning: 9, 10, 11, 12, 1, 2, 3, 4.

My Answer: _____

Question 19 [Home Chores & Laundry Math]

A laundry detergent bottle states that it contains enough liquid for 32 loads of wash. Your family washes 4 loads of laundry each week.

How many weeks will this bottle of detergent last before you need to buy a new one?

- ☐ A) 6 weeks
- ☐ B) 7 weeks
- ☐ C) 8 weeks
- ☐ D) 10 weeks

Tip / Reminder: Divide total loads by loads per week: $32 \div 4 = ?$



My Answer: _____

Question 20 [Community Walking & Distance]

You walk 3 blocks from your home to the library, then walk 4 blocks from the library to the grocery store. Afterwards, you walk 7 blocks straight back home.

How many total blocks did you walk during your trip?

- ☐ A) 10 blocks
- ☐ B) 12 blocks
- ☐ C) 14 blocks
- ☐ D) 16 blocks

Tip / Reminder: Add all the distances together: $3 + 4 + 7 = ?$

My Answer: _____



ANSWER KEY

#	Daily Living Skill	Correct Answer	IEP Concept / Math Objective
1	Money Value	A) 63¢	Coin combination & addition ($25+25+10+1+1+1$)
2	Purchasing Change	B) \$0.25 (1 quarter)	Making change from \$2.00 ($\$2.00 - \1.75)
3	Dollar Up Strategy	C) 7 one-dollar bills (\$7)	Rounding up decimal cash values for independent payment
4	Multi-Item Lunch	\$6.00 Total; Yes, \$10 is enough	Multi-addend decimal addition ($\$3.50 + \$1.00 + \$1.50$)
5	Price Comparison	A) Store A cheaper, save \$1.50	Consumer comparison subtraction ($\$4.50 - \3.00)
6	Telling Time	A) 8:30	Reading traditional analog clock hands
7	Elapsed Time	B) 5:40 PM	Adding elapsed time to clock time ($15 + 25$ min)
8	Transit Schedule	B) 1:55 PM	Subtracting walking buffer from fixed departure
9	Morning Routine	50 min total; Wake up at 7:40 AM	Two-step backward planning: $30+20=50$ min, 8:30 - 50m
10	A.M. vs. P.M.	B) Doctor: 10:30 AM Movie: 7:00 PM	Differentiating daylight vs. evening time tags
11	Measuring Fractions	B) 2 scoops	Visualizing halves making a whole ($1/2 + 1/2 = 1$)
12	Doubling Recipes	C) 4 eggs & 6 tbsp butter	Multiplying ingredient quantities by 2
13	Liquid Volume	B) 8 quarts	Multiplication with liquid conversion units (2×4)
14	Portion & Nutrition	2 servings; 220 calories	Dividing food portions and multiplying calorie units
15	Temperature Change	77°F; Wear a light jacket	Two-digit addition & functional seasonal dressing
16	Food Expiration	A) Safe; 6 days left	Interpreting food package safety dates via calendar math



17	Calendar Days	B) Thursday	Calendar sequencing using 7-day cyclical increments
18	Medication Timing	C) 4:00 PM	Adding interval hours across noon (8 AM + 8 hrs)
19	Household Supplies	C) 8 weeks	Division for resource allocation (32 loads ÷ 4)
20	Community Distance	C) 14 blocks	Summing consecutive travel segments (3 + 4 + 7)

