

Snack Stand Money Math

Basketball season just tipped off, and the snack stand at the Eastport Eagles' arena is busy before the game! Add prices, count coins and make change for hungry fans. Every team and person on this sheet is made up.

Name _____

Date _____

MONEY TOOLKIT

Dollars & cents

\$1.00 = 100¢
\$0.25 = 25¢

Line up the dot

line up decimal points
to add or subtract

Count up

count from the price
up to the bill

Estimate

nearest dollar:
50¢ or more rounds up

Equal groups

3 of the same item?
multiply by 3

COIN VALUES



4 QUARTERS = \$1.00

SNACK STAND MENU • EASTPORT EAGLES ARENA

HOT DOG

\$3.75

POPCORN

\$2.50

SOFT PRETZEL

\$4.25

NACHOS

\$5.50

LEMONADE

\$3.25

WATER

\$1.75

Use these prices for problems 1 to 8. Write every money answer with a dollar sign and a decimal point, like \$4.25.

ROOKIE

- 1 Mia buys a **hot dog** and a **water**. How much does she spend in all?

WORK SPACE

ROOKIE

- 2 Leo pays for a **water** using only **quarters**. How many quarters does he need?

WORK SPACE

_____ quarters

STARTER

- 3 Coach Rivera buys **popcorn** and a **lemonade**. What is the total cost?

WORK SPACE

STARTER

- 4 Ana buys a **soft pretzel** and pays with a **\$5 bill**. How much change does she get?

WORK SPACE

PRO

- 5 Sam buys **nachos** and a **lemonade**. He pays with a **\$10 bill**. How much change does he get?

WORK SPACE

PRO

- 6 The Eagles' team manager buys **3 hot dogs** for the coaches. How much does she spend?

WORK SPACE

ALL-STAR

- 7 Round each price to the **nearest dollar** to estimate: a hot dog, a soft pretzel and popcorn. **About** how much is that?

WORK SPACE

about _____

CHALLENGE ★

- 8 Challenge: Which **two different** menu items cost exactly **\$7.50** together?

WORK SPACE

_____ + _____

A Count the Coins

Four fans empty their pockets at the snack stand. Find each fan's total and write it in the box.

FAN	\$1 BILLS	QUARTERS	DIMES	NICKELS	PENNIES	TOTAL
Ava	3	4	2	1	0	<input type="text"/>
Ben	2	6	3	0	4	<input type="text"/>
Cruz	4	1	5	2	3	<input type="text"/>
Dana	5	2	0	3	2	<input type="text"/>

Tip: start with the bills, then add the quarters, dimes, nickels and pennies.
Use the prices on page 1 for questions 1 to 4.

- Who has the **most** money? _____
- Does Ava have enough for a **soft pretzel** (\$4.25)? Write **yes** or **no**. _____
- How much **more** money does Ben need to buy **nachos** (\$5.50)? _____
- Cruz buys a **hot dog** (\$3.75). How much money does he have **left**? _____

B Make Change

Count up from the total to the bill. Example: \$3.75 to \$4.00 is 25¢, then \$4.00 to \$5.00 is \$1.00, so the change is \$1.25.

- Grace pays with a **\$5 bill**. Find the total, then count up to find the change.

1 × Soft Pretzel	\$4.25
TOTAL	_____
PAID	\$5.00

change _____

- Omar pays with a **\$10 bill**. Find the total, then count up to find the change.

1 × Nachos	\$5.50
1 × Water	\$1.75
TOTAL	_____
PAID	\$10.00

change _____

- Priya pays with a **\$20 bill**. Find the total, then count up to find the change.

2 × Lemonade	\$6.50
TOTAL	_____
PAID	\$20.00

change _____

- Theo pays with a **\$10 bill**. Find the total, then count up to find the change.

1 × Popcorn	\$2.50
1 × Hot Dog	\$3.75
1 × Water	\$1.75
TOTAL	_____
PAID	\$10.00

change _____

C Game Night Word Problems

Use the menu prices on page 1. Show your work and line up the decimal points.

- A family of **4** each gets a **hot dog** and a **water**. How much does the family spend in all?

WORK SPACE

- At one home game, the snack stand sold **120** bags of popcorn for **\$2.50** each. How much money did it make on popcorn?

WORK SPACE

- Jamal has **\$15.00**. He buys **2 soft pretzels** and **1 lemonade**. How much money does he have left?

WORK SPACE

- Challenge: The **Game Day Combo** is a hot dog, popcorn and a lemonade for **\$8.00**. How much do you save by buying the combo?

WORK SPACE

Answer Key (for teachers & parents)

Answers for **Snack Stand Money Math**, with the work shown. Print pages 1 and 2 for students and keep this page for checking. In Section A, the four table totals count as 4 points and questions 1 to 4 count as 4 more.

Page 1 Problems

- Answer: \$5.50**
 $\$3.75 + \$1.75 = \$5.50$
- Answer: 7 quarters**
 $\$1.75 = 175\text{¢}$, and $175 \div 25 = 7$.
- Answer: \$5.75**
 $\$2.50 + \$3.25 = \$5.75$
- Answer: \$0.75**
 Count up: $\$4.25$ to $\$5.00$ is 75¢.
- Answer: \$1.25**
 $\$5.50 + \$3.25 = \$8.75$, and $\$10.00 - \$8.75 = \$1.25$.
- Answer: \$11.25**
 $3 \times \$3.75 = \11.25
- Answer: about \$11.00**
 $\$4 + \$4 + \$3 = \11 . (The exact cost is $\$10.50$.)
- Answer: Soft pretzel + lemonade**
 $\$4.25 + \$3.25 = \$7.50$

A · Count the Coins

Answer: Table: Ava \$4.25 · Ben \$3.84 · Cruz \$4.88 · Dana \$5.67

Add the bills first, then the coins.

- Answer: Dana**
 $\$5.67$ is the greatest total.
- Answer: Yes**
 Ava has exactly $\$4.25$, so she has $\$0.00$ left.
- Answer: \$1.66**
 $\$5.50 - \$3.84 = \$1.66$
- Answer: \$1.13**
 $\$4.88 - \$3.75 = \$1.13$

Quick score

Page 1 problems	_____ / 8
A · Count the Coins	_____ / 8
B · Make Change	_____ / 4
C · Word Problems	_____ / 4
Total	_____ / 24

Skills practiced

Money Counting coins Making change Adding & subtracting decimals
 Estimation Multiplication

Teaching tip: For making change, have students **count up** out loud with play coins: from the total to the next quarter, then the next dollar, then the bill. In C2, $120 \times \$2.50$ is easier as $120 \times 250\text{¢} = 30,000\text{¢} = \300.00 .

B · Make Change

- Answer: total \$4.25 · change \$0.75**
- Answer: total \$7.25 · change \$2.75**
- Answer: total \$6.50 · change \$13.50**
- Answer: total \$8.00 · change \$2.00**

C · Game Night Word Problems

- Answer: \$22.00**
 $\$3.75 + \$1.75 = \$5.50$, and $4 \times \$5.50 = \22.00 .
- Answer: \$300.00**
 $120 \times \$2.50 = \300.00
- Answer: \$3.25**
 $2 \times \$4.25 + \$3.25 = \$11.75$, and $\$15.00 - \$11.75 = \$3.25$.
- Answer: \$1.50**
 Separately: $\$9.50 - \$8.00 = \$1.50$.