

SIGMABUDGIE · GRADE 2

Money

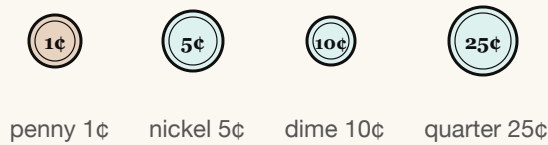
A gentle walkthrough & a 24-question exam

Part 1 walks through coins, dollars, and change from the very beginning, with drawings. Part 2 is a 24-question exam that starts easy and slowly builds to harder, ISEE-style reasoning questions. Work through the lesson together first, then let your child try the exam. The answer key at the back explains every question.

1 · The four coins

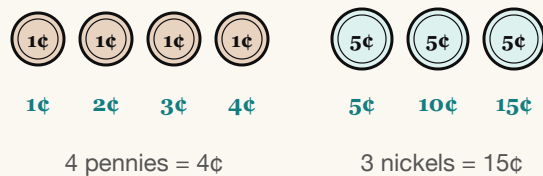
A **penny** is 1¢. A **nickel** is 5¢. A **dime** is 10¢. A **quarter** is 25¢.

The dime is the **smallest** coin, but it is worth more than a penny or a nickel. Look at the coin, not its size.



2 · Counting pennies and nickels

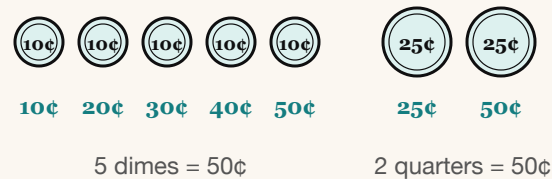
Pennies: count by **1s**. 4 pennies = 4¢. Nickels: count by **5s**. 3 nickels: 5, 10, **15¢**.



3 · Counting dimes and quarters

Dimes: count by **10s**. 5 dimes: 10, 20, 30, 40, **50¢**. Quarters: count by **25s**. 2 quarters: 25, **50¢**.

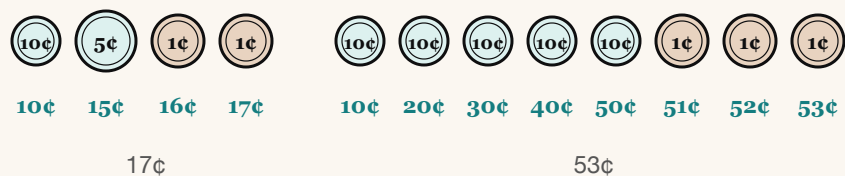
So 5 dimes and 2 quarters are worth the same!



4 · Mixed coins: biggest first

Different coins? Start with the **biggest** and count on. A dime, a nickel, and 2 pennies: 10, 15, 16, **17¢**.

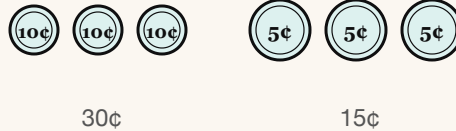
5 dimes and 3 pennies: 10, 20, 30, 40, 50, 51, 52, **53¢**.



5 • Which is worth more?

3 dimes or 3 nickels? Same number of coins, but dimes are worth more each. 3 dimes = 30¢, 3 nickels = 15¢. **3 dimes** win.

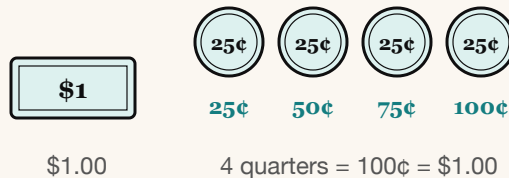
Always count the value. More coins does not mean more money: 1 quarter beats 4 nickels (25¢ vs 20¢).



6 • One dollar

100¢ = \$1.00, one dollar. 4 quarters make a dollar. So do 10 dimes, or 20 nickels.

The dot separates dollars from cents: \$1.25 is 1 dollar and 25 cents.



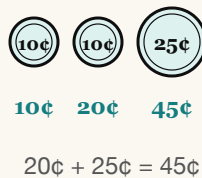
7 • Bills

Paper money: **\$1, \$5, \$10, \$20**. Count bills biggest first too: \$10 + \$5 + \$1 = **\$16**.



8 • Buying two things

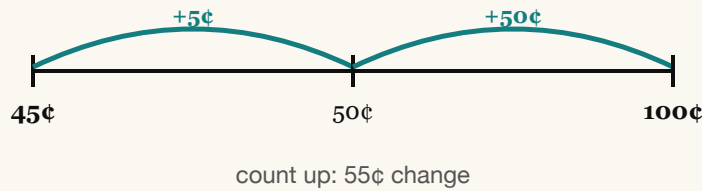
A sticker is 20¢ and a pencil is 25¢. Together: 20 + 25 = **45¢**. Add the prices.



9 • Change from a dollar

A toy costs 45¢ and you pay with \$1.00. Your **change** is what comes back. Count **up** from 45 to 100.

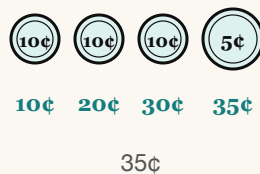
45 → 50 is a nickel (5¢). 50 → 100 is 2 quarters (50¢). Change: $5 + 50 = 55¢$.



10 • Do you have enough?

Count your money, then compare to the price. You have 3 dimes and a nickel (35¢). Gum costs 30¢. 35 is more than 30, so **yes**, with 5¢ left.

A ball costs 60¢. 35 is less than 60, so **not yet**. You need 25¢ more.



11 • Making an amount

There is more than one way to make 15¢: a dime and a nickel, or 3 nickels, or 15 pennies.

The **fewest** coins uses the biggest coins that fit: 15¢ = dime + nickel, just 2 coins.



12 • Money stories

"Ella spends 20¢ on a sticker and 25¢ on a pencil. How much did she spend?" Add: **45¢**.

"Leo had 50¢ and spent 20¢. How much is left?" Subtract: **30¢**. Read the story, pick add or subtract, then count carefully. You are ready for the test! 🎉

Read each drawing first, then choose the best answer. Take your time, there is no clock here. Questions start gentle and get harder toward the end. Circle your answer.

- 1 How much is this coin worth?



- | | |
|--------------|--------------|
| A 1¢ | B 10¢ |
| C 25¢ | D 5¢ |
-

- 2 How much money is this?



- | | |
|--------------|--------------|
| A 40¢ | B 4¢ |
| C 20¢ | D 14¢ |
-

- 3 How much money is this?



- | | |
|--------------|--------------|
| A 30¢ | B 3¢ |
| C 15¢ | D 25¢ |
-

- 4 How many cents are in one dollar?

- | | |
|--------------|-------------|
| A 10 | B 25 |
| C 100 | D 50 |
-

- 5 How much money is this?



- | | |
|--------------|--------------|
| A 3¢ | B 15¢ |
| C 30¢ | D 10¢ |
-

6 How much money is this?



A 25¢

B 20¢

C 2¢

D 50¢

7 How much money is 5 dimes and 3 pennies?



A 8¢

B 35¢

C 53¢

D 80¢

8 Which is more money: 3 dimes or 3 nickels?

A 3 dimes

B 3 nickels

C They are the same

D You cannot tell

9 How much money is this?



A 4¢

B 22¢

C 16¢

D 17¢

10 Ella spends 20¢ on a sticker and 25¢ on a pencil. How much did she spend in all?

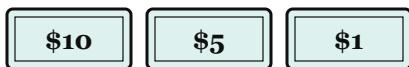
A 5¢

B 45¢

C 40¢

D 50¢

11 How much money is this?



A \$16

B \$3

C \$15

D \$17

12 How many quarters make one dollar?

A 2

B 10

C 4

D 25

13 Which shows 15¢ with the fewest coins?

A 3 nickels

B 1 dime and 1 nickel

C 15 pennies

D 1 dime and 5 pennies

14 Leo had 50¢. He spent 20¢. How much does he have left?

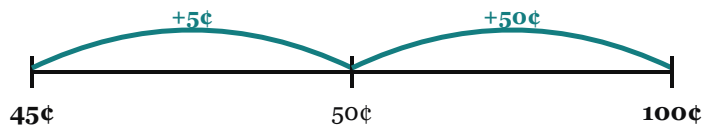
A 70¢

B 20¢

C 40¢

D 30¢

15 A toy costs 45¢. Sam pays with \$1.00. How much change does Sam get?



A 55¢

B 45¢

C 65¢

D \$1.45

16 Which is worth the same as 1 quarter?

A 2 dimes

B 20 pennies

C 5 nickels

D 3 nickels

17 How much money is this?



A 40¢

B 45¢

C 50¢

D 55¢

18 Mia has 2 quarters and 1 dime. Ben has 5 dimes. Who has more money?

A Mia

B Ben

C They have the same

D You cannot tell

19 Ava has 35¢. A ball costs 60¢. How much more money does she need?

A 35¢

B 95¢

C 15¢

D 25¢

20 Gum costs 30¢. Which set of coins is exactly enough?

A 2 dimes

B 1 quarter and 1 nickel

C 1 quarter and 1 penny

D 5 nickels

21 Tom buys a pencil for 25¢ and an eraser for 15¢. He pays with 2 quarters. How much change does he get?

A 10¢

B 40¢

C 50¢

D 15¢

22 Nia has 4 coins that total 40¢. She has 1 quarter and no pennies. Which other coins does she have?

A 3 dimes

B 1 dime and 2 nickels

C 3 nickels

D 2 dimes and 1 nickel

23 Which amount is the greatest?

A 4 dimes

B 2 quarters

C 9 nickels

D 45 pennies

24 Kim saves 10¢ every day. How many days until she has 70¢?

A 6

B 8

C 70

D 7

ANSWER KEY & EXPLANATIONS

- 1 D** This is a nickel. A nickel is 5¢.
-
- 2 B** 4 pennies: 1, 2, 3, 4¢.
-
- 3 A** 3 dimes: 10, 20, 30¢.
-
- 4 C** One dollar is 100¢.
-
- 5 B** 3 nickels: 5, 10, 15¢.
-
- 6 D** 2 quarters: 25, 50¢.
-
- 7 C** Dimes: 10, 20, 30, 40, 50. Pennies: 51, 52, 53¢.
-
- 8 A** 3 dimes = 30¢. 3 nickels = 15¢. Dimes are worth more.
-
- 9 D** Biggest first: 10, 15, 16, 17¢.
-
- 10 B** In all means add: $20 + 25 = 45$ ¢.
-
- 11 A** $\$10 + \$5 + \$1 = \16 .
-
- 12 C** 25, 50, 75, 100. Four quarters make 100¢.
-
- 13 B** A dime and a nickel make 15¢ with just 2 coins.
-
- 14 D** Left means subtract: $50 - 20 = 30$ ¢.
-
- 15 A** Count up from 45: 5¢ to reach 50, then 50¢ to reach 100. $5 + 50 = 55$ ¢.
-
- 16 C** 5 nickels = 25¢, the same as a quarter. 2 dimes is 20¢, 20 pennies is 20¢, 3 nickels is 15¢.
-
- 17 C** Quarter 25, dimes 35, 45, nickel 50¢.
-
- 18 A** Mia: $25 + 25 + 10 = 60$ ¢. Ben: 5 dimes = 50¢. Mia has more.
-
- 19 D** Count up from 35 to 60: 5 to reach 40, then 20 more. $5 + 20 = 25$ ¢.
-
- 20 B** $25 + 5 = 30$ ¢. 2 dimes is 20¢, a quarter and a penny is 26¢, and 5 nickels is 25¢.
-
- 21 A** $25 + 15 = 40$ ¢. Two quarters is 50¢. $50 - 40 = 10$ ¢.
-
- 22 C** $25 + 5 + 5 + 5 = 40$ ¢. 3 dimes would be 55¢, a dime and 2 nickels 45¢, and 2 dimes and a nickel 50¢.
-
- 23 B** 2 quarters = 50¢. The others are 40¢, 45¢, and 45¢.
-
- 24 D** Count by 10s: 10, 20, 30, 40, 50, 60, 70. That is 7 days.
-