

Money and Time: practice solutions, Grade 2 – download the PDF

Written solutions to the chapter problems. Check each step, then correct yourself.

1 Name the coin



- a. A dime is worth 10¢.
- b. A penny is worth 1¢.
- c. A quarter is worth 25¢.
- d. A nickel is worth 5¢.

Remember: size does not tell the value.

2 Counting one kind of coin



- a. 10, 20, 30, 40. So 4 dimes are worth 40¢.
- b. 5, 10, 15. So 3 nickels are worth 15¢.
- c. 25, 50. So 2 quarters are worth 50¢.

3 Read an o'clock time



The short hand points to the 4 and the long hand points to the 12. The time is **4:00**, four o'clock.

4 Half past



The long hand is on the 6, so it is half past the hour: 30 minutes. The hour hand is between the 8 and the 9, so the hour is 8. The time is **8:30**.

5 Nickels in a row



5, 10, 15, 20, 25, 30. Mia has **30¢**.

6 Dollars and cents



- a. 1 dollar = 100¢.
- b. $3 \times 100 = 300$, so 3 dollars = 300¢.
- c. \$1.50.

7 Morning or evening?



- a. 7:30 **a.m.** (morning)
- b. 8:30 **p.m.** (night)
- c. 4:00 **p.m.** (afternoon)
- d. 6:45 **a.m.** (morning)

8 Mixed coins



Start with the greatest value: 25, 35, 45, 50, 51, 52, 53.

$25 + 10 + 10 + 5 + 1 + 1 + 1 = 53$. Ben has **53¢**.

9

Count the coins in the picture

Two quarters: 25, 50. One dime: 60. Two nickels: 65, 70.

$25 + 25 + 10 + 5 + 5 = 70$. The coins are worth **70¢**.

10

Read the minutes

The minute hand points to the 7. Count by 5s: 5, 10, 15, 20, 25, 30, 35. The hour hand is past the 2 but not yet at the 3. The time is **2:35**.

11

Cents to dollars

a. $145 = 100 + 45$, so it is \$1.45.

b. Use a zero to hold the place: \$2.07.

c. \$3.20 is 3 dollars and 20 cents: $300 + 20 = 320$, so 320¢.

12

Buying a sticker

Subtract to find what is left: $60 - 35 = 25$.

Lena has **25¢** left.

13

Write the time

a. Half past nine is 30 minutes after 9: **9:30**.

b. Quarter past two is 15 minutes after 2: **2:15**.

c. **7:25**.

d. Use a zero for the tens: **11:10**.

14 True or false?



- a. **True.** $10 + 10 + 5 = 25$, and a quarter is 25¢.
- b. **False.** 5 pennies are $5 \times 1 = 5$ ¢, the same as 1 nickel. They are equal, not more.

15 Fewest coins



Use the largest coin that fits each time. Take 1 quarter: 25¢. Left: $41 - 25 = 16$. Take 1 dime: 10¢. Left: 6. Take 1 nickel: 5¢. Left: 1. Take 1 penny.

$25 + 10 + 5 + 1 = 41$. The fewest coins is **4 coins**: a quarter, a dime, a nickel, and a penny.

16 Ways to make 30 cents



Try the number of dimes: 3, 2, 1, or 0.

Dimes	Nickels	Total
3	0	30¢
2	2	$20 + 10 = 30$ ¢
1	4	$10 + 20 = 30$ ¢
0	6	30¢

There are **4 ways**.

17 How much change?



Two one-dollar bills are 200¢. The toy costs \$1.40, which is 140¢.

$200 - 140 = 60$. Omar gets **60¢** in change.

18 Enough money?



Three quarters: 25, 50, 75. Two dimes: 85, 95. Jack has 95¢.

$95 - 90 = 5$. Yes, he has enough, and 5¢ is left.

19 The movie starts



One hour later, the hour goes up by 1 and the minutes stay the same: 2:15 becomes 3:15.

The movie ends at **3:15 p.m.**

20 Find the mistake



The student mixed up the hands. The **short** hand shows the hour: it is between the 5 and the 6, so the hour is 5. The **long** hand shows the minutes: it points to the 9, and $9 \times 5 = 45$.

The right time is **5:45**.

21 Piggy bank puzzle



Test the number of dimes. With 4 dimes there are 3 nickels: $4 \times 10 = 40$ and $3 \times 5 = 15$.

$40 + 15 = 55$ and $4 + 3 = 7$.

Sam has **4 dimes and 3 nickels**.



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