

Chapter – 9. Money

Auditory

Amount of money Aanya earned from her chores = ₹100

Amount of money Aanya saved from her pocket money = ₹60

The total amount of money Aanya saved = ₹100 + ₹60 = ₹160

Thus, Aanya saved ₹160 in total.

| | ₹ | | |
|---|----------|----------|----------|
| | 1 | 0 | 0 |
| + | | 6 | 0 |
| | <u>1</u> | <u>6</u> | <u>0</u> |

Interacting better

Way 1: Geeta can pay ₹36 by giving one twenty-rupee note, one ten-rupee note, one five-rupee coin, and one one-rupee coin.

$$₹20 + ₹10 + ₹5 + ₹1 = ₹36$$

Way 2: Geeta can pay ₹36 by giving one twenty-rupee note, one ten-rupee note, and three two-rupee coins.

$$2 \times ₹10 + ₹10 + 3 \times ₹2 = ₹36$$

Way 3: Geeta can pay ₹36 by giving two ten-rupee notes, one five-rupee coin, five two-rupee coins, and one one-rupee coin.

$$2 \times ₹10 + ₹5 + 5 \times ₹2 + ₹1 = ₹36$$

Word Problems

5. a. The amount of money spent on apples = ₹120

The amount of money spent on guavas = ₹196.50

The amount of money spent on oranges = ₹234.50

Total amount of money Nancy spent =

$$₹120 + ₹196.50 + ₹234.50 = ₹551$$

Thus, Nancy spent ₹551 in total.

| | ₹ | | p |
|---|------------|----------|----------------|
| | 1 | 1 | 1 |
| | 1 | 2 | 0 . 0 0 |
| | 1 | 9 | 6 . 5 0 |
| + | 2 | 3 | 4 . 5 0 |
| | <u>₹ 5</u> | <u>5</u> | <u>1 . 0 0</u> |

- b. The amount of money spent from Bengaluru to Mysuru = ₹210.50

The amount of money spent from Mysuru to Ooty = ₹755.00

The total amount of money Benny spent =

$$₹210.50 + ₹755.00 = ₹965.50$$

Benny spent ₹965.50 to reach Ooty from Bengaluru.

| | ₹ | | p |
|---|------------|----------|----------------|
| | 2 | 1 | 0 . 5 0 |
| + | 7 | 5 | 5 . 0 0 |
| | <u>₹ 9</u> | <u>6</u> | <u>5 . 5 0</u> |

7. a. Amount Reema gave to the shopkeeper = ₹200

Cost of the candles = ₹136.50

The amount of money she will get back =

$$₹200 - ₹136.50 = ₹63.50$$

Reema will get ₹63.50 back from the shopkeeper.

| | ₹ | | p |
|---|------------|----------|----------------|
| | 1 | 9 | 9 |
| | 2 | 0 | 0 . 0 0 |
| - | 1 | 3 | 6 . 5 0 |
| | <u>₹ 0</u> | <u>6</u> | <u>3 . 5 0</u> |

b. Cost of 2-litre buttermilk = ₹105

It is ₹75.50 more than the cost of 500 g of curd.

The cost of 500 g of curd = ₹105 – ₹75.50 = ₹29.50

The cost of 500 g of curd is ₹29.50.

| ₹ | p | | | | |
|---|--------------|---------------|---------------|---|----------------|
| | | ¹⁴ | | | |
| | ⁹ | 4 | ¹⁰ | | |
| | 1 | 0 | 5 | . | 0 0 |
| – | 7 | 5 | . | 5 | 0 |
| ₹ | 2 | 9 | . | 5 | 0 |

8. a. Cost of bangles = ₹150

Cost of bangle box = ₹237.50

Cost of bindis = ₹58

Total amount of money paid by Sheena =

₹150 + ₹237.50 + ₹58 = ₹445.50

The amount of money she should get back =

₹500 – ₹445.50 = ₹54.50

Sheena paid ₹445.50 in total. She should get back ₹54.50.

| ₹ | p | | | | |
|---|--------------|--------------|---|---|-----|
| | ¹ | ¹ | | | |
| | 1 | 5 | 0 | 0 | 0 |
| | 2 | 3 | 7 | . | 5 0 |
| + | 5 | 8 | . | 0 | 0 |
| ₹ | 4 | 4 | 5 | . | 5 0 |

| ₹ | p | | | | |
|---|--------------|--------------|--------------|---------------|----------------|
| | ⁴ | ⁹ | ⁹ | ¹⁰ | |
| | 5 | 0 | 0 | . | 0 0 |
| – | 4 | 4 | 5 | . | 5 0 |
| ₹ | 5 | 4 | . | 5 | 0 |

b. Cost of tubelight = ₹112.5

The bulb costs ₹13.50 less.

So, cost of bulb = ₹112.50 – ₹13.50 = ₹99.00

Total cost of both the items together = ₹99.00 + ₹112.50

= ₹211.50

The total cost of both items is ₹211.50.

| ₹ | p | | | | |
|---|---------------|--------------|---------------|---|-----|
| | ¹⁰ | | | | |
| | 1 | 1 | ¹² | . | 5 0 |
| – | 1 | 3 | . | 5 | 0 |
| ₹ | 9 | 9 | . | 0 | 0 |

| ₹ | p | | | | |
|---|--------------|--------------|---|---|-----|
| | ¹ | ¹ | | | |
| | 1 | 1 | 2 | . | 5 0 |
| + | 9 | 9 | . | 0 | 0 |
| ₹ | 2 | 1 | 1 | . | 5 0 |

10. a. The amount of money Veena earns in one hour = ₹385

She works for 8 hours in a day.

Total amount of money Veena earns in a day = ₹385 × 8 = ₹3,080

Veena earns ₹3,080 every day.

| ₹ | | | | |
|---|--------------|--------------|---|---|
| | ⁶ | ⁴ | | |
| | 3 | 8 | 5 | |
| | | × | 8 | |
| ₹ | 3 | 0 | 8 | 0 |

b. Cost of one meal = ₹525.50

Number of meals bought by Drishti = 15

Total amount of money Drishti spend on 15 meals =

₹525.50 × 15 = ₹7,882.50

Drishti spends ₹7,882.50 in total.

| ₹ | | | p | | | |
|-------|--------------|--------------|--------------|---|-----|-----|
| | ¹ | ² | ² | | | |
| | 5 | 2 | 5 | . | 5 0 | |
| | | | × | 1 | 5 | |
| <hr/> | | | | | | |
| | 2 | 6 | 2 | 7 | 5 0 | |
| + | 5 | 2 | 5 | 5 | 0 | |
| <hr/> | | | | | | |
| | ₹ 7 | 8 | 8 | 2 | . | 5 0 |

c. Cost of one earthen pitcher = ₹675.50

Number of pitchers = 36

To find total money spent, multiply:

$$₹675.50 \times 36 = ₹24,318$$

Aman spends ₹24,318 to buy 36 pitchers.

| | | ₹ | | | | p | |
|-------|---|----|---|---|---|---|-------|
| | | 2 | 1 | 1 | | | |
| | | 4 | 3 | 3 | | | |
| | | 6 | 7 | 5 | . | 5 | 0 |
| | | | | | × | 3 | 6 |
| <hr/> | | | | | | | |
| | | 4 | 0 | 5 | 3 | 0 | 0 |
| + | 2 | 0 | 2 | 6 | 5 | 0 | |
| <hr/> | | | | | | | |
| | | ₹2 | 4 | 3 | 1 | 8 | . 0 0 |

Learning better

H. 1. Price of the map = ₹10.00

Price of the notebook = ₹50.25

Total money paid by Neha = ₹10.00 + ₹50.25 = ₹60.25

Neha pays ₹60.25 in total for the two items.

| | | ₹ | | | | p | |
|-------|---|---|---|---|---|---|---|
| | | 1 | 0 | . | 0 | 0 | |
| + | 5 | 0 | . | 2 | 5 | | |
| <hr/> | | | | | | | |
| | | ₹ | 6 | 0 | . | 2 | 5 |

2. Price of wristwatch = ₹830

Amount of money Darshit has = ₹401.50

The amount of more money Darshit needs = ₹830 – ₹401.50

$$= ₹428.50$$

Darshit needs ₹428.50 more to buy the watch.

| | | ₹ | | | | p | |
|-------|---|---|--------------|--------------|---|--------------|-----|
| | | 8 | 3 | 0 | . | 0 | 0 |
| – | 4 | 0 | 1 | . | 5 | 0 | |
| <hr/> | | | | | | | |
| | | ₹ | 4 | 2 | 8 | . | 5 0 |

3. Cost of the poster of Mahatma Gandhi = ₹60.50

Amount of money given to the seller = ₹500

The amount of money the seller will return to Gopika

$$= ₹500 – ₹60.50$$

$$= ₹439.50$$

The seller will return ₹439.50 to Gopika.

| | | ₹ | | | | p | |
|-------|---|---|--------------|--------------|---|--------------|-----|
| | | 5 | 0 | 0 | . | 0 | 0 |
| – | 6 | 0 | . | 5 | 0 | | |
| <hr/> | | | | | | | |
| | | ₹ | 4 | 3 | 9 | . | 5 0 |

4. Cost of idli = ₹50.00

Extra cost of dosa = ₹45.50

Cost of dosa = ₹50.00 + ₹45.50 = ₹95.50

The cost of the dosa is ₹95.50.

| | | ₹ | | | | p | |
|-------|---|---|---|---|---|---|---|
| | | 5 | 0 | . | 0 | 0 | |
| + | 4 | 5 | . | 5 | 0 | | |
| <hr/> | | | | | | | |
| | | ₹ | 9 | 5 | . | 5 | 0 |

| | | | |
|---|---|---|---|
| | ₹ | | p |
| | 1 | 1 | 1 |
| | 3 | 6 | 5 |
| | | | . |
| | | | 5 |
| | | | 0 |
| + | | 4 | 7 |
| | | | . |
| | | | 5 |
| | | | 0 |
| | ₹ | 4 | 1 |
| | | | 3 |
| | | | . |
| | | | 0 |
| | | | 0 |

5. Total amount spent by Jas = ₹365.50 + ₹47.50 = ₹413.00

Total money Jas had = ₹565

Amount of money saved by Jas = ₹565 – ₹413.00 = ₹152.00

Thus, Jas saved ₹152.00.

| | | | |
|---|---|---|---|
| | ₹ | | p |
| | 5 | 6 | 5 |
| | | | . |
| | | | 0 |
| | | | 0 |
| – | 4 | 1 | 3 |
| | | | . |
| | | | 0 |
| | | | 0 |
| | ₹ | 1 | 5 |
| | | | 2 |
| | | | . |
| | | | 0 |
| | | | 0 |

6. Price of 1 vada pav = ₹11.50

Cost of 9 vada pav = ₹11.50 × 9 = ₹103.50

9 vada pav will cost ₹103.50.

| | | | |
|---|---|---|---|
| | ₹ | | p |
| | 1 | 1 | 5 |
| | | | . |
| | | | 5 |
| | | | 0 |
| × | | | 9 |
| | ₹ | 1 | 0 |
| | | | 3 |
| | | | . |
| | | | 5 |
| | | | 0 |

7. Price of 1 litre = ₹50.50

Cost of 4 litres of milk = ₹50.50 × 4 = ₹202.00

4 litres of milk will cost ₹202.00.

| | | | |
|---|---|---|---|
| | ₹ | | p |
| | 5 | 0 | 5 |
| | | | . |
| | | | 5 |
| | | | 0 |
| × | | | 4 |
| | ₹ | 2 | 0 |
| | | | 2 |
| | | | . |
| | | | 0 |
| | | | 0 |

8. Price of 1 football = ₹328.50

Cost of 5 football = ₹328.50 × 5 = ₹1,642.50

5 footballs will cost ₹1,642.50.

| | | | |
|---|---|---|---|
| | ₹ | | p |
| | 3 | 2 | 8 |
| | | | . |
| | | | 5 |
| | | | 0 |
| × | | | 5 |
| | ₹ | 1 | 6 |
| | | | 4 |
| | | | . |
| | | | 2 |
| | | | 5 |
| | | | 0 |

Thinking better

4 fifty-rupee notes = 4 × 50 = ₹200

3 twenty-rupee notes = 3 × 20 = ₹60

6 ten-rupee coins = 6 × 10 = ₹60

Total money Annie had = ₹200 + ₹60 + ₹60 = ₹320

Money spent by Annie = 2 fifty-rupee notes + 4 ten-rupee coins

2 fifty-rupee notes = 2 × 50 = ₹100

4 ten-rupee coins = 4 × 10 = ₹40

Total spent = ₹100 + ₹40 = ₹140

Money left with Annie = ₹320 – ₹140 = ₹180

Annie has ₹180 left with her.

Chapter 10: Time

Auditory

1. Ravi wakes up at 7 a.m. in the morning.
2. Ravi finishes his homework at 8 p.m. before dinner.

Learning better

- D.** 1. 4 hours after 11:45 a.m.

$$11:45 \text{ a.m.} + 4 \text{ hours} = 3:45 \text{ p.m.}$$

The time 4 hours after 11:45 a.m. is 3:45 p.m.

2. 6 hours after 8 p.m.

$$8:00 \text{ p.m.} + 6 \text{ hours} = 2:00 \text{ a.m.}$$

The time 6 hours after 8 p.m. is 2:00 a.m.

3. 7 hours before 2 a.m.

$$2:00 \text{ a.m.} - 7 \text{ hours} = 7:00 \text{ p.m.}$$

The time 7 hours before 2 a.m. is 7:00 p.m.

4. 5 hours before 9 p.m.

$$9:00 \text{ p.m.} - 5 \text{ hours} = 4:00 \text{ p.m.}$$

The time 5 hours before 9 p.m. is 4:00 p.m.

- F.** 1. 1 year = 12 months

$$3 \text{ years} = 3 \times 12 = 36 \text{ months}$$

3 years is equal to 36 months.

2. 1 year = 12 months

$$15 \text{ years} = 15 \times 12 = 180 \text{ months}$$

15 years is equal to 180 months.

3. 1 year = 12 months

$$12 \text{ years} = 12 \times 12 = 144 \text{ months}$$

12 years is equal to 144 months.

4. 1 year = 12 months

$$23 \text{ years} = 23 \times 12 = 276 \text{ months}$$

23 years is equal to 276 months.

- G.** 1. 1 year = 365 days

$$2 \text{ years} = 2 \times 365 = 730 \text{ days}$$

2 years is equal to 730 days.

2. 1 week = 7 days

$$7 \text{ weeks} = 7 \times 7 = 49 \text{ days}$$

7 weeks is equal to 49 days.

3. 1 week = 7 days
16 weeks = $16 \times 7 = 112$ days
16 weeks is equal to 112 days.
4. 1 year = 365 days
2 years = $2 \times 365 = 730$ days
2 years is equal to 730 days.

Thinking better

Esha's birthday = 15 May (Monday)

6 weeks = $6 \times 7 = 42$ days

From 15 May, adding $31 - 15 = 16$ days takes us to 31 May.

$42 - 16 = 26$ days left to count.

Into June, 26 days after 31 May = 26 June.

Since each week cycle repeats every 7 days, adding 6 weeks (which is 42 days) means the weekday will also be Monday.

The school will reopen on 26 June, and it will be a Monday.