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Problem Solving with Money - Year 2

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SOLVE MONEY PROBLEMS

1

READ

Read the whole problem.



2

MEAN

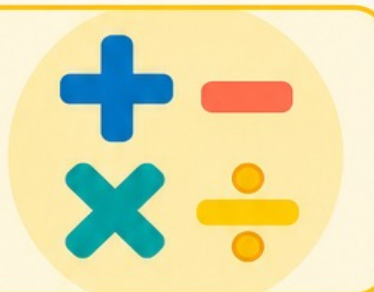
Circle the question.
Underline useful numbers.



3

MATHS

Choose +, -, × or ÷.



4

DO

Draw, model or calculate.



5

ANSWER

Write the answer.
Check it makes sense.



AUSTRALIAN MONEY AT A GLANCE

COINS



NOTES



\$1 = 100c

\$2 = 200c

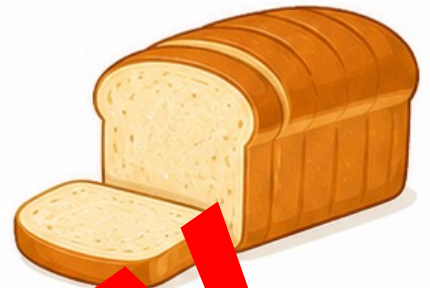
SUKINDI GROCERY SHOP



Apples \$3



Bananas \$4



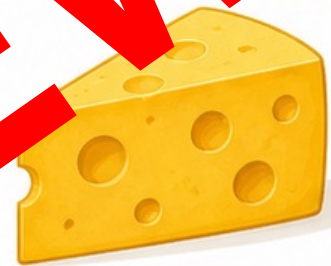
Bread \$5



Milk \$4



Eggs \$6



Cheese \$7



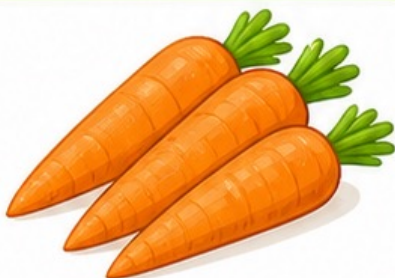
Rice \$5



Pasta \$4



Yoghurt \$3



Carrots \$2



Juice \$6



Cereal \$8

Use this price list with the shopping challenge cards.

GROCERY SHOPPING CHALLENGES

1

Buy apples and bread. Find the total.



2

Buy milk and eggs. Find the total.



3

Buy bananas, carrots and yoghurt. Find the total.



4

You have \$15.
Buy cheese and rice.
Find the change.



5

You have \$20.
Buy cereal and juice.
Find the change.



6

Buy two loaves of bread. Find the total.



7

Choose three items costing less than \$15 altogether.



8

Create a shopping list costing exactly \$12.



Work with a partner. Show a number sentence for each challenge.

PREVIEW



SOLVE IT! MONEY PROBLEMS



You need 1 counter each and 1 die.

HOW TO PLAY

- 1 Roll the die and move your counter the number of spaces shown.
- 2 Land on a ? Draw a money problem card.
- 3 Solve it and explain your strategy.
- 4 Correct: stay. Try again: move back one space.
- 5 First to FINISH wins.

SOLVE IT! CARDS 1-6

- 1** Mia buys a notebook for \$6 and pencils for \$4. How much altogether?

Show a number sentence.



- 2** Noah has \$20 and spends \$7. How much change?

Show a number sentence.



- 3** Three juice boxes cost \$3 each. What is the total?

Show a number sentence.



- 4** Share \$16 equally between 4 children. How much each?

Show a number sentence.



- 5** A ticket costs \$8. How much do two tickets cost?

Show a number sentence.



- 6** Ella saved \$12 and needs \$18. How much more does she need?

Show a number sentence.



SOLVE IT! CARDS 7-12



7

Ben buys bread for \$5 and milk for \$4. How much altogether?



8

Zoe has \$30. She buys cereal for \$8 and juice for \$6. How much change?



9

Four apples cost \$2 each. What is the total?



10

Share \$15 equally among 3 friends. How much each?



11

A toy costs \$24. Sam saved \$9. How much more does he need?



12

Two games cost \$7 each and one snack costs \$3. What is the total?



TEACHER KEY: 7 \$9 | 8 \$16 | 9 \$8 |
10 \$5 | 11 \$15 | 12 \$17

MONEY MATCH - PROBLEM CARDS

A

Two muffins cost \$4 each. What is the total?



B

You have \$20 and spend \$11. How much change?



C

Three books cost \$5 each. What is the total?



D

Share \$12 equally among 4 children. How much each?



E

A ball costs \$9 and a hat costs \$5. What is the total?



F

You saved \$14 and need \$20. How much more?



G

Five tickets cost \$2 each. What is the total?



H

You have \$30 and spend \$18. How much change?



I

Share \$20 equally among 5 friends. How much each?



J

Two drinks cost \$3 each and chips cost \$4. What is the total?



MONEY MATCH - EQUATION CARDS

1

$$2 \times \$4 = \$8$$

2

$$\$20 - \$11 = \$9$$

3

$$3 \times \$5 = \$15$$

4

$$\$12 - \$9 = \$3$$

5

$$\$9 + \$6 = \$15$$

6

$$\$20 - \$14 = \$6$$

7

$$5 \times \$2 = \$10$$

8

$$\$30 - \$18 = \$12$$

9

$$\$20 \div 5 = \$4$$

10

$$(2 \times \$3) + \$4 = \$10$$

KEY: A-1, B-2, C-3, D-4, E-5, F-6, G-7, H-8, I-9, J-10

FIVE-STEP MONEY SOLVER

Guided Practice



Name: _____

Luca buys 3 fruit cups for \$4 each. How much does he spend altogether?



1 READ



What is the question asking?

2 MEAN



Useful numbers and words:

3 MATHS



Choose $+$ $-$ $\div$
to solve the problem.

4 DO



Draw or show your working:

5 ANSWER



Answer in a sentence:

Does it make sense? Yes / Not yet

FIVE-STEP MONEY SOLVER

Guided Practice

Name: ANSWERS



Luca buys 3 fruit cups for \$4 each. How much does he spend altogether?



1 READ



What is the question asking?

How much Luca spends altogether.

2 MEAN



Useful numbers and words:

3 fruit cups: \$4 each altogether.

3 MATHS



Choose +, -, $\times$, $\div$
in your sentence.

$$3 \times \$4 = \$12$$

4 DO



Draw or show your working:

$$4 + 4 + 4 = 12$$

5 ANSWER



Answer in a sentence:

Luca spends \$12 altogether.

Does it make sense? ☒ Yes / Not yet



FIVE-STEP MONEY SOLVER

Independent Practice



Name: _____

Priya has \$25. She buys a game for \$9 and a book for \$7.
How much money does she have left?

You may need more than one number sentence.

1 READ

What is the question asking?

2 MEAN

Useful numbers and words:

3 MATHS

Choose: + - × ÷

Number sentence or sentence:

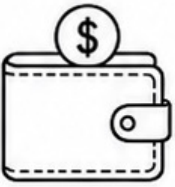
4 DO

Draw or show your working:

5 ANSWER

Answer in a sentence:

Does it make sense? Yes / Not yet



FIVE-STEP MONEY SOLVER

Independent Practice

Name: **ANSWERS** _____



Priya has \$25. She buys a game for \$9 and a book for \$7.
How much money does she have left?

You may need more than one number sentence.

1 READ

What is the question asking?

How much money Priya has left.

2 MEAN

Useful numbers and words:

\$25, \$9, \$7, left

3 MATHS

Choose: ☒ + ☒ - ☐ x

Number sentence or sentences:

$\$9 + \$7 = \$16$; $\$25 - \$16 = \$9$

4 DO

Draw or show your working:

$\$9 + \$7 = \$16$, then $\$25 - \$16 = \$9$

5 ANSWER

Answer in a sentence:

Priya has \$9 left.

Does it make sense? ☒ Yes / Not yet

CHOOSE THE OPERATION

Name: _____

Circle the best operation. Then solve.

- ① A pencil case costs \$7 and stickers cost \$5. What is the total?

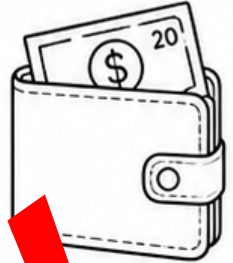


+ - × ÷

Number sentence: _____

Answer: _____

- ② You have \$20 and spend \$8. How much change?



+ -

Number sentence: _____

Answer: _____

- ③ Four apples cost \$3 each. What is the total?

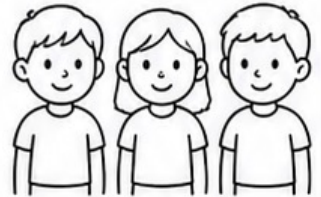


+ - × ÷

Number sentence: _____

Answer: _____

- ④ Share \$18 equally among 3 children. How much each?



+ - × ÷

Number sentence: _____

Answer: _____

- ⑤ You saved \$11 and need \$17. How much more?



+ - × ÷

Number sentence: _____

Answer: _____

- ⑥ Two cinema tickets cost \$6 each. What is the total?



+ - × ÷

Number sentence: _____

Answer: _____

CHOOSE THE OPERATION

Name: ANSWERS

Circle the best operation. Then solve.

- 1 A pencil case costs \$7 and stickers cost \$5. What is the total?



☒ + - × ÷

Number sentence: $7 + 5 = 12$

Answer: 12

- 2 You have \$20 and spend \$8. How much change?



+ ☒ - × ÷

Number sentence: $20 - 8 = 12$

Answer: 12

- 3 Four apples cost \$3 each. What is the total?

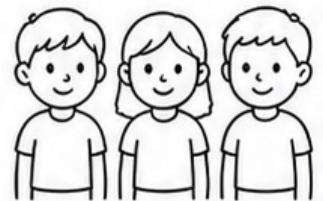


☒ + - × ÷

Number sentence: $4 \times 3 = 12$

Answer: 12

- 4 Share \$18 equally among 3 children. How much each?



+ - × ☒ ÷

Number sentence: $18 \div 3 = 6$

Answer: 6

- 5 You saved \$11 and need \$17. How much more?



+ ☒ - × ÷

Number sentence: $17 - 11 = 6$

Answer: 6

- 6 Two cinema tickets cost \$6 each. What is the total?



+ - ☒ × ÷

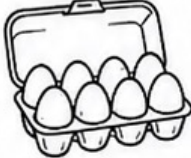
Number sentence: $2 \times 6 = 12$

Answer: 12

TOTAL COST AT THE GROCERY SHOP

Name: _____

Use the price list. Write a number sentence and total.

					
Apples \$3	Bread \$5	Milk \$4	Eggs \$6	Carrots \$2	Cereal \$8

1 Buy apples and bread.

Number sentence: _____

Total: \$ _____

2 Buy milk and eggs.

Number sentence: _____

Total: \$ _____

3 Buy two bunches of carrots and one loaf of bread.

Number sentence: _____

Total: \$ _____

4 Buy cereal, milk and apples.

Number sentence: _____

Total: \$ _____

CHALLENGE Choose two different items with a total of \$9.

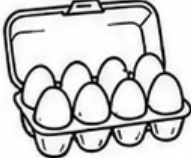
Number sentence: _____

Total: \$ _____

TOTAL COST AT THE GROCERY SHOP

Name: ANSWERS

Use the price list. Write a number sentence and total.

					
Apples \$3	Bread \$5	Milk \$4	Eggs \$6	Carrots \$2	Cereal \$8

1 Buy apples and bread.

Number sentence:

$$\$3 + \$5 = \$8$$

Total: \$ 8

2 Buy milk and eggs.

Number sentence:

$$\$4 + \$6 = \$10$$

Total: \$ 10

3 Buy two bunches of carrots and one loaf of bread.

Number sentence:

$$(2 \times \$2) + \$5 = \$9$$

Total: \$ 9

4 Buy cereal, milk and apples.

Number sentence:

$$\$8 + \$4 + \$3 = \$15$$

Total: \$ 15

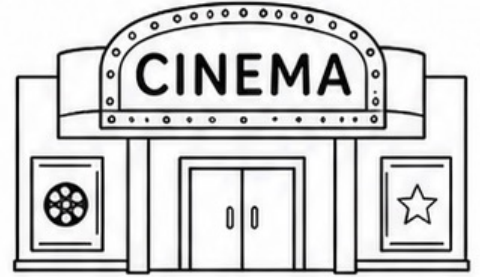
CHALLENGE Choose two different items with a total of \$9.

Number sentence: $\$4 + \$5 = \$9$

Total: \$ 9

FINDING CHANGE AT THE CINEMA

Name: _____

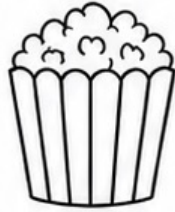


Find the total cost first. Then find the change.

Child ticket \$6



Popcorn \$4



Juice \$3



Ice cream \$5



- 1** You have \$20. Buy one child ticket and popcorn.

Total cost: \$ _____

Number sentence: _____

Change: \$ _____

- 2** You have \$25. Buy one child ticket, juice and ice cream.

Total cost: \$ _____

Number sentence: _____

Change: \$ _____

- 3** You have \$30. Buy two child tickets and one popcorn.

Total cost: \$ _____

Number sentence: _____

Change: \$ _____

- 4** You have \$20. Buy one child ticket, two juices and one popcorn.

Total cost: \$ _____

Number sentence: _____

Change: \$ _____



CHALLENGE Create an order that costs exactly \$18.

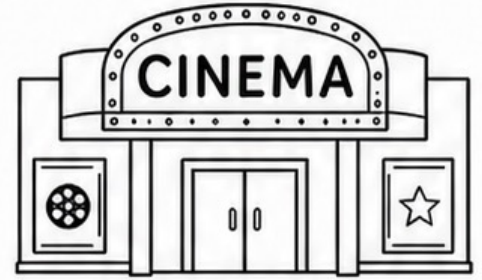
Total cost: \$ _____

Number sentence: _____

Items: _____

FINDING CHANGE AT THE CINEMA

Name: _____ **ANSWERS**



Find the total cost first. Then find the change.

Child ticket \$6



Popcorn \$4



Juice \$3



Ice cream \$5



- 1** You have \$20. Buy one child ticket and popcorn.

Total cost: \$ 10

Number sentence: $\$20 - \$10 = \$10$

Change: \$ 10

- 2** You have \$25. Buy one child ticket, juice and ice cream.

Total cost: \$ 14

Number sentence: $\$25 - \$14 = \$11$

Change: \$ 11

- 3** You have \$30. Buy two child tickets and one popcorn.

Total cost: \$ 16

Number sentence: $\$30 - \$16 = \$14$

Change: \$ 14

- 4** You have \$20. Buy one child ticket, two juices and one popcorn.

Total cost: \$ 16

Number sentence: $\$20 - \$16 = \$4$

Change: \$ 4



CHALLENGE Create an order that costs exactly \$18.

Total cost: \$ 18

Number sentence: $\$6 + \$4 + \$3 + \$5 = \$18$

Items: Child ticket, popcorn, juice, ice cream

EQUAL GROUPS AND SHARING MONEY

Name: _____

Draw equal groups. Write a number sentence.

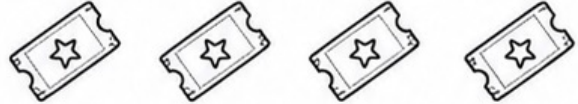
1 Three pencils cost \$2 each. What is the total?



Number sentence: _____

Answer: \$ _____

2 Four tickets cost \$5 each. What is the total?



Number sentence: _____

Answer: \$ _____

3 Share \$12 equally among 3 children.
How much each?



Number sentence: _____

Answer: \$ _____

4 Share \$10 equally among 5 friends.
How much each?



Number sentence: _____

Answer: \$ _____

5 Six stickers cost \$3 each. What is the total?



Number sentence: _____

Answer: \$ _____

6 Share \$18 equally among 6 children.
How much each?



Number sentence: _____

Answer: \$ _____

EQUAL GROUPS AND SHARING MONEY

Name: ANSWERS

Draw equal groups. Write a number sentence.

1 Three pencils cost \$2 each. What is the total?

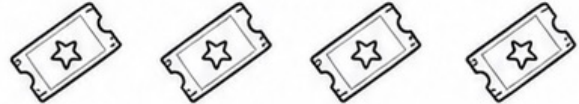


$$3 \times \$2 = \$6$$

Number sentence: $3 \times \$2 = \6

Answer: \$ 6

2 Four tickets cost \$5 each. What is the total?



$$4 \times \$5 = \$20$$

Number sentence: $4 \times \$5 = \20

Answer: \$ 20

3 Share \$12 equally among 3 children. How much each?



$$\$12 \div 3 = \$4$$

Number sentence: $\$12 \div 3 = \4

Answer: \$ 4

4 Share \$20 equally among 5 friends. How much each?

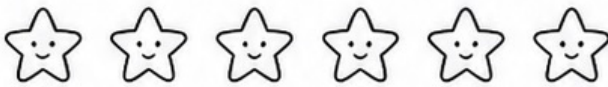


$$\$20 \div 5 = \$4$$

Number sentence: $\$20 \div 5 = \4

Answer: \$ 4

5 Six stickers cost \$3 each. What is the total?



$$6 \times \$3 = \$18$$

Number sentence: $6 \times \$3 = \18

Answer: \$ 18

6 Share \$18 equally among 6 children. How much each?



$$\$18 \div 6 = \$3$$

Number sentence: $\$18 \div 6 = \3

Answer: \$ 3

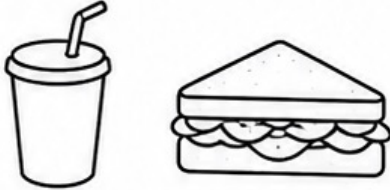
MIXED MONEY PROBLEMS

Core Practice

Name: _____

Choose a strategy. Show your working and check your answer.

- 1** Ethan buys a drink for \$4 and a sandwich for \$7. How much altogether?

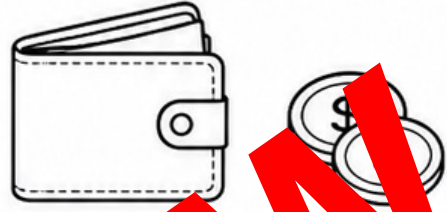


Choose: + - x ÷

Number sentence: _____

Answer: \$ _____

- 2** Ruby has \$20 and spends \$13. How much change?



Choose: + - x ÷

Number sentence: _____

Answer: \$ _____

- 3** Four cupcakes cost \$8 each. What is the total?

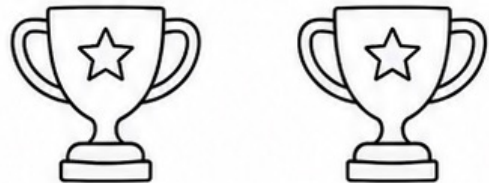


Choose: + - x ÷

Number sentence: _____

Answer: \$ _____

- 4** Share \$16 equally between 2 teams. How much does each team receive?



Choose: + - x ÷

Number sentence: _____

Answer: \$ _____

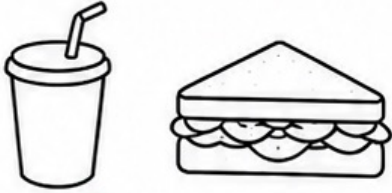
MIXED MONEY PROBLEMS

Core Practice

Name: ANSWERS

Choose a strategy. Show your working and check your answer.

- 1 Ethan buys a drink for \$4 and a sandwich for \$7. How much altogether?



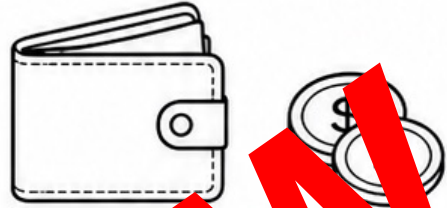
Choose: ☒ + - × ÷

$$\$4 + \$7 = \$11$$

Number sentence: $\$4 + \$7 = \$11$

Answer: \$ 11

- 2 Ruby has \$20 and spends \$13. How much change?



Choose: ☒ + - × ÷

$$\$20 - \$13 = \$7$$

Number sentence: $\$20 - \$13 = \$7$

Answer: \$ 7

- 3 Four cupcakes cost \$3 each. What is the total?



Choose: ☐ + - ☒ × ÷

$$4 \times \$3 = \$12$$

Number sentence: $4 \times \$3 = \12

Answer: \$ 12

- 4 Share \$16 equally between 2 teams. How much does each team receive?



Choose: ☐ + - × ☒ ÷

$$\$16 \div 2 = \$8$$

Number sentence: $\$16 \div 2 = \8

Answer: \$ 8

MIXED MONEY PROBLEMS

Extension

Name: _____

Show two number sentences when needed. Check every answer.

- 1 Maya has \$30. She buys two tickets for \$6 each. How much change?



Number sentence or sentences:

Answer: \$ _____

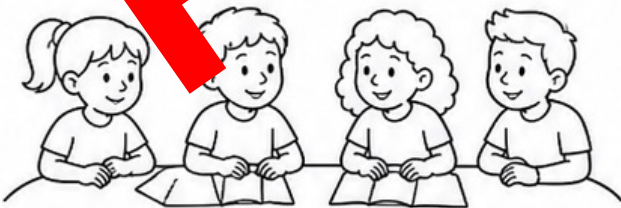
- 2 Sam buys three apples for \$2 each and one loaf of bread for \$5. What is the total?



Number sentence or sentences:

Answer: \$ _____

- 3 A class has \$40 equally among 4 groups. Each group then spends \$2. How much is left in each group?



Number sentence or sentences:

Answer: \$ _____

- 4 Leo saves \$5 each week for 4 weeks. He then spends \$7. How much is left?



Number sentence or sentences:

Answer: \$ _____

MIXED MONEY PROBLEMS

Extension

Name: **ANSWERS**

Show two number sentences when needed. Check every answer.

- 1 Maya has \$30. She buys two tickets for \$6 each. How much change?



Number sentence or sentences:

$$2 \times \$6 = \$12; \$30 - \$12 = \$18$$

Answer: \$ **18**

- 2 Sam buys three apples for \$2 each and one loaf of bread for \$5. What is the total?

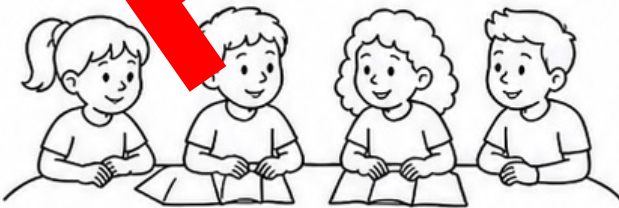


Number sentence or sentences:

$$3 \times \$2 = \$6; \$6 + \$5 = \$11$$

Answer: \$ **11**

- 3 A class has \$24 equally among 4 groups. Each group then spends \$2. How much is left in each group?



Number sentence or sentences:

$$\$24 \div 4 = \$6; \$6 - \$2 = \$4$$

Answer: \$ **4**

- 4 Leo saves \$5 each week for 4 weeks. He then spends \$7. How much is left?



Number sentence or sentences:

$$4 \times \$5 = \$20; \$20 - \$7 = \$13$$

Answer: \$ **13**

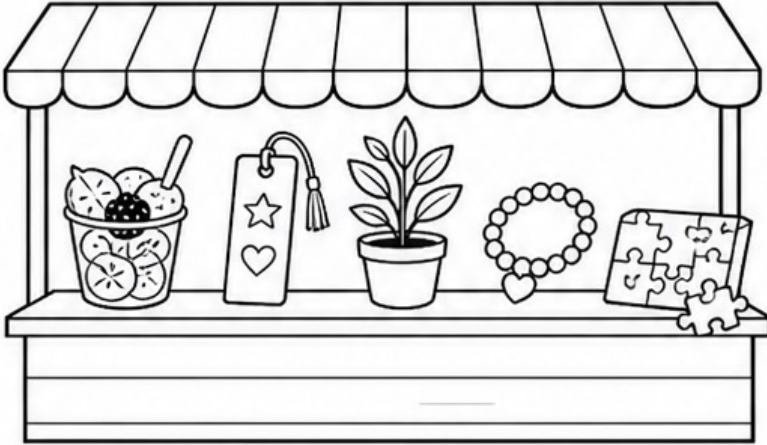
MARKET DAY MONEY CHALLENGE

Assessment - Part A

Name: _____

Date: _____

Show a number sentence for every answer.



Fruit cup \$4

Bookmark \$3

Plant \$6

Bracelet \$5

Puzzle \$8

1 Buy one fruit cup and one bracelet. What is the total?

Number sentence: _____

Answer: \$ _____

2 Buy two bookmarks. What is the total?

Number sentence: _____

Answer: \$ _____

3 You have \$20. Buy one plant and one puzzle. How much change?

Number sentence: _____

Answer: \$ _____

4 Share \$15 equally among 3 students. How much each?

Number sentence: _____

Answer: \$ _____

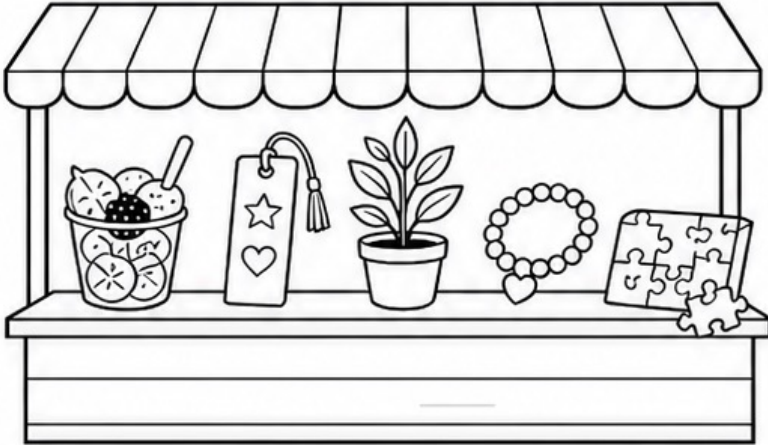
MARKET DAY MONEY CHALLENGE

Assessment - Part A

Name: ANSWERS

Date: _____

Show a number sentence for every answer.



Fruit cup \$4

Bookmark \$3

Plant \$6

Bracelet \$5

Puzzle \$8

1 Buy one fruit cup and one bracelet. What is the total?

Number sentence: $\$4 + \$5 = \$9$ Answer: \$ 9

2 Buy two bookmarks. What is the total?

Number sentence: $2 \times \$3 = \6 Answer: \$ 6

3 You have \$20. Buy one plant and one puzzle. How much change?

Number sentence: $\$6 + \$8 = \$14; \$20 - \$14 = \6 Answer: \$ 6

4 Share \$15 equally among 3 students. How much each?

Number sentence: $\$15 \div 3 = \5 Answer: \$ 5

MARKET DAY MONEY CHALLENGE

Assessment - Part B

Name: _____

Use the price list from Part A. Show your steps.

- 5 Buy three fruit cups. What is the total?

Working:

Number sentence or sentences:

Answer: _____

- 6 You have \$25. Buy one puzzle, one bracelet and one bookmark.
How much change?

Working:

Number sentence or sentences:

Answer: _____

- 7 A class has \$30. It buys four plants for \$6 each.
How much change?

Working:

Number sentence or sentences:

Answer: _____

- 8 Choose three different items costing less than \$15 altogether.
List the items and total.

Working:

Number sentence or sentences:

Answer: _____

- 9 Kai says two puzzles and one bookmark cost \$18. Is Kai correct?
Show how you know.

Working:

Number sentence or sentences:

Answer: _____

Explain your thinking:

MARKET DAY MONEY CHALLENGE

Assessment - Part B

Name: ANSWERS

Use the price list from Part A. Show your steps.

- 5 Buy three fruit cups. What is the total?

Working:

Number sentence or sentences:

$$3 \times \$4 = \$12$$

Answer: \$12

- 6 You have \$25. Buy one puzzle, one bracelet and one bookmark.
How much change?

Working:

Number sentence or sentences:

$$\$8 + \$5 + \$3 = \$16; \$25 - \$16 = \$9$$

Answer: \$9

- 7 A class has \$30. It buys four plants at \$6 each.
How much change?

Working:

Number sentence or sentences:

$$4 \times \$6 = \$24; \$30 - \$24 = \$6$$

Answer: \$6

- 8 Choose three different items costing less than \$15 altogether.
List the items and total.

Working:

Number sentence or sentences:

$$\$4 + \$3 + \$6 = \$13$$

Answer: \$13

- 9 Kai says two puzzles and one bookmark cost \$18. Is Kai correct?
Show how you know.

Working:

Number sentence or sentences:

$$2 \times \$8 = \$16; \$16 + \$3 = \$19$$

Answer: No. \$19.

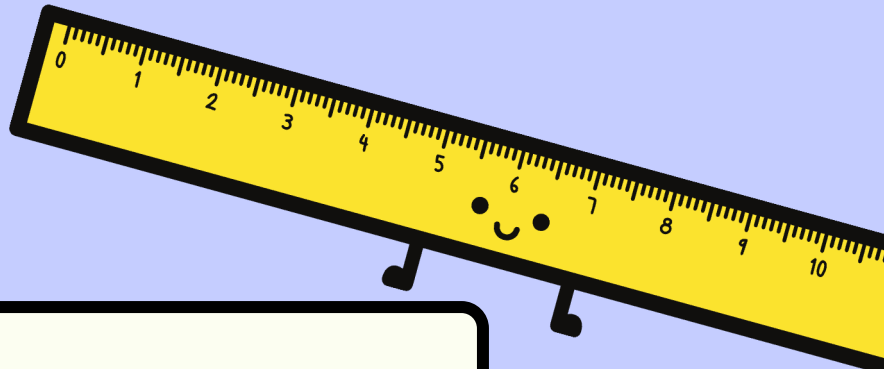
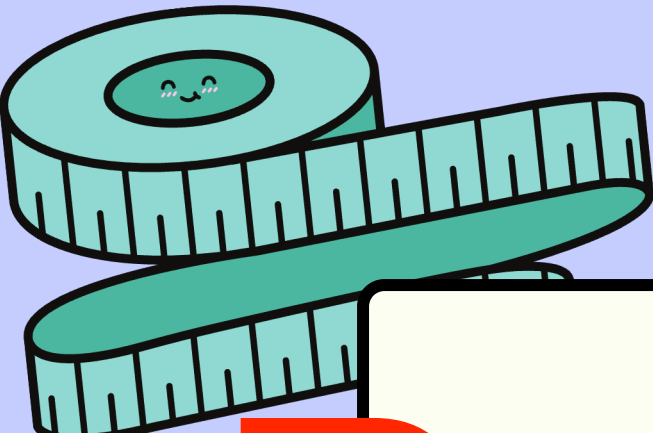
Explain your thinking:

Kai is not correct because two puzzles and one bookmark cost \$19, not \$18.

PROBLEM SOLVING WITH MONEY

Name: _____ Date: _____

CRITERIA	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Understands the problem	Needs help to find the question.	Finds some useful information.	Finds the question and useful information.	Organises all information independently.	Explains why each detail is useful.
Chooses a strategy	Chooses with help.	Sometimes chooses a suitable operation.	Chooses a suitable operation.	Chooses an efficient strategy.	Compares and justifies strategies.
Calculates accurately	Calculations are incomplete.	Some calculations are correct.	Calculates familiar problems accurately.	Calculates two-step problems accurately.	Calculates flexibly and accurately.
Shows mathematical thinking	Shows little working.	Shows a simple model or number sentence.	Shows clear working.	Explains working clearly.	Justifies thinking with maths language.
Records and checks	Answer is missing or unchecked.	Records an answer with support.	Records and checks a sensible answer.	Checks and corrects errors.	Evaluates and improves the solution.
Teacher comments:					



Preview Preview

Problem Solving with
Money

Preview



Learning Intention

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We are learning to solve practical money problems by choosing a useful operation, showing our thinking and checking that our answer makes sense.

Success looks like: I can follow Read, Meen, Maths, Do, Answer; write a number sentence, and explain my answer.



Mathematical Modelling Preview Preview

Money problems describe real situations. We decide what the information means, choose mathematics that fits, calculate, then check the result against

the situation
Preview



Our Five-Step Routine

Preview Preview

- 1 READ – What is the question asking?
- 2 MEAN – Which numbers and words matter?
- 3 MATHS – Choose +, –, x or divide.
- 4 DO – Calculate and show your working.
- 5 ANSWER – Write the answer and check it.



Scenario Hook

Preview Preview

A science kit costs \$24. You have already saved \$15.

How much more money do you need?

Preview

Turn and talk: Which information matters? Which operation could help?



Step 1 - Read

Preview Preview

Read the whole problem slowly.

Ask: What do I need to find?

Preview

Look for the question at the end and say it in your own words.



Step 2 - Mean

Preview Preview

Find the useful numbers, units and action words.

Ask: What does each number represent?

Preview

Ignore details that do not help answer the question.



Step 3 - Maths

Preview Preview

Choose an operation that matches the situation.

Altogether or total may suggest +.

Change or how much more may suggest -.

Equal groups may suggest x or divide.



Step 4 - Do

Preview Preview

Write a clear number sentence.

Use a drawing, repeated addition, known facts or another organised strategy.

Preview

Keep dollar signs with money amounts.



Step 5 - Answer and Check

Preview Preview

Answer in a sentence.

Check: Did I answer the question? Is the amount reasonable? Can I estimate or use the opposite operation to confirm it?



Guided Practice

Preview Preview

Let us solve two money problems together.

For each problem we will pause at every step and explain why the strategy fits



Worked Example 1

Preview Preview

Four fruit cups cost \$3 each.

How much do four fruit cups cost altogether?

Preview



Example 1 - Read

Preview Preview

What is the question asking?

Preview
We need to find the total cost of four fruit cups.



Example 1 - Mean

Preview Preview

Useful information:

- 4 fruit cups
- \$3 for each fruit cup
- altogether means total



Example 1 - Maths

Preview Preview

We have four equal groups of \$3.

Choose multiplication or repeated addition.

Preview



Example 1 - Do

Preview Preview

$$4 \times \$3 = \$12$$

Check with repeated addition:

$$\$3 + \$3 + \$3 + \$3 = \$12$$

Preview



Example 1 - Answer

Preview Preview

Four fruit cups cost \$12 altogether.

Check: \$12 is sensible because four groups of \$3 are a little more than \$10.



Worked Example 2

Preview Preview

You have a budget of \$30. You spend \$18 at the school market.

Preview

How much money is left?



Example 2 - Read

Preview Preview

What is the question asking?

We need to find how much of the \$30 budget remains.

Preview



Example 2 - Mean

Preview Preview

Useful information:

- start with \$30
- spend \$18
- left means find the difference



Example 2 - Maths

Preview Preview

The amount becomes smaller after spending.

Preview



Example 2 - Do

Preview Preview

$$\$30 - \$18 = \$12$$

One strategy: subtract \$20, then add back \$2.

Preview

$$\$30 - \$20 = \$10; \$10 + \$2 = \$12$$



Example 2 - Answer

Preview Preview

\$12 is left.

Check with addition. $\$18 + \$12 = \$30$, so the answer matches the starting budget.



Review the Routine

Preview Preview

READ the question.

MEAN the information.

Choose the MATHS.

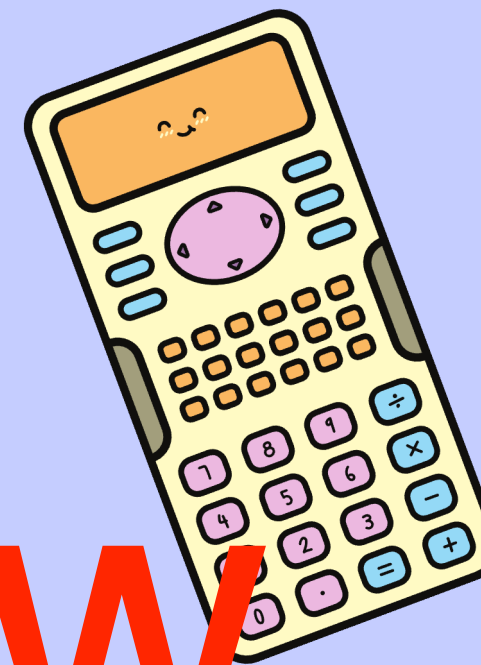
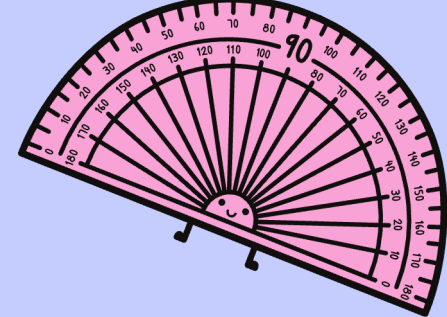
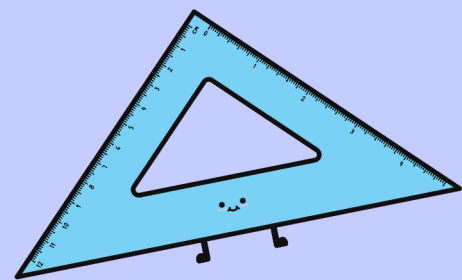
DO the calculation.

Preview

ANSWER and check.

A strong problem solver explains both the strategy and the result.

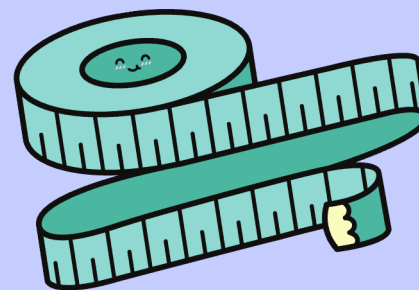
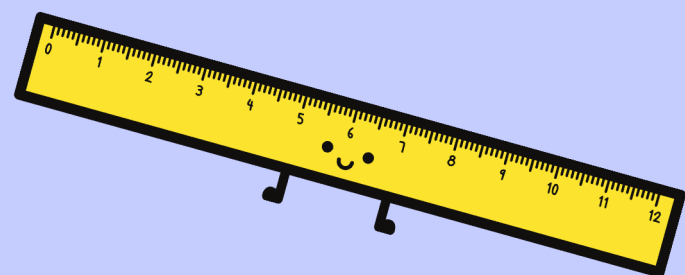
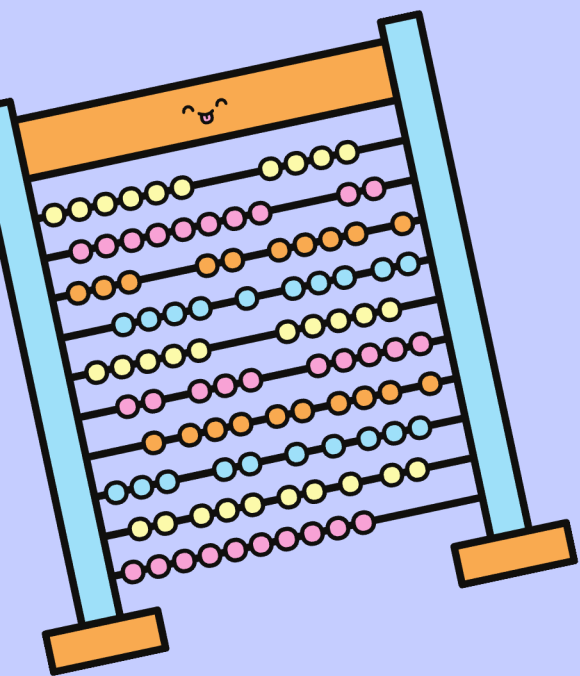


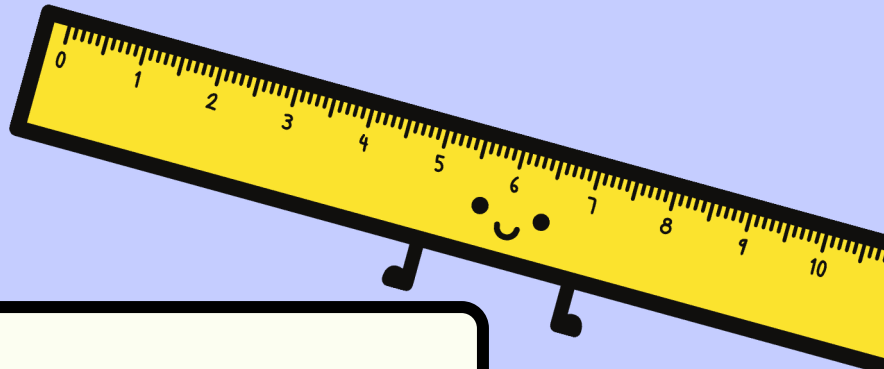
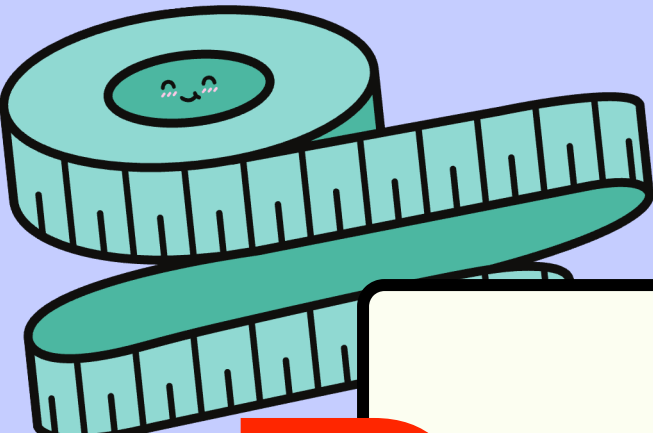


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Well Done!

Preview





Preview Preview

**Problem Solving with Money
Quiz**

Preview



Question 1 - Choose the Operation

Preview Preview

Two notebooks cost \$6 each. Which operation best finds the total?

A. $6 + 2$

B. $6 - 2$

C. 2×6

D. 6 divided by 2



Answer 1

Preview Preview

C. 2×6

There are two equal groups of \$6

Preview

$$2 \times \$6 = \$12$$



Question 2 - Short Answer

Preview Preview

A snack costs \$7 and a drink costs \$5.

What is the total cost? Show a number sentence.

Preview



Answer 2

Preview Preview

$$\$7 + \$5 = \$12$$

Preview

the total cost is \$12.



Question 3 - True or False

Preview Preview

$$\$20 - \$8 = \$14$$

Is this statement true or false? Explain.

Preview



Answer 3

Preview Preview

False.

Preview

$$\$20 - \$8 = \$12$$

check: $\$12 + \$8 = \$20$.



Question 4 - Short Answer

Preview Preview

You have \$30 and spend \$17.

Preview

How much change is left?



Answer 4

Preview Preview

$$\$30 - \$17 = \$13$$

Preview

\$3 is left.



Question 5 - Multiple Choice

Preview Preview

Three tickets cost \$4 each. What is the total?

A. \$7

B. \$10

C. \$12

D. \$16

Preview



Answer 5

Preview Preview

C. \$12

Preview

$$3 \times \$4 = \$12$$



Question 6 - Sharing

Preview Preview

Share \$18 equally among 3 children.

How much does each child receive?

Preview



Answer 6

Preview Preview

\$18 divided by 3 = \$6

Preview

Each child receives \$6



Question 7 - Reasonableness

Preview Preview

Four items cost \$5 each. A student says the total is \$9.

Preview

Is the answer reasonable?



Answer 7

Preview Preview

No.

Preview
 $4 \times \$5 = \20 so \$9 is not reasonable.



Question 8 - Two Steps

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You have \$25. You buy a game for \$9 and a book for \$7. How much is left?

A. \$9

B. \$11

C. \$16

D. \$23

Preview



Answer 8

Preview Preview

A. \$9

Preview

$$\$9 + \$7 = \$16$$

$$\$25 - \$16 = \$9$$



Question 9 - Short Answer

Preview Preview

Five stickers cost \$2 each.

Preview

What is the total cost?



Answer 9

Preview Preview

$$5 \times \$2 = \$10$$

Preview

the total cost is \$10.



Question 10 - Answer and Check.

Preview Preview

You have a \$40 budget and spend \$26.

Find the change and show one way to check it.

Preview



Answer 10

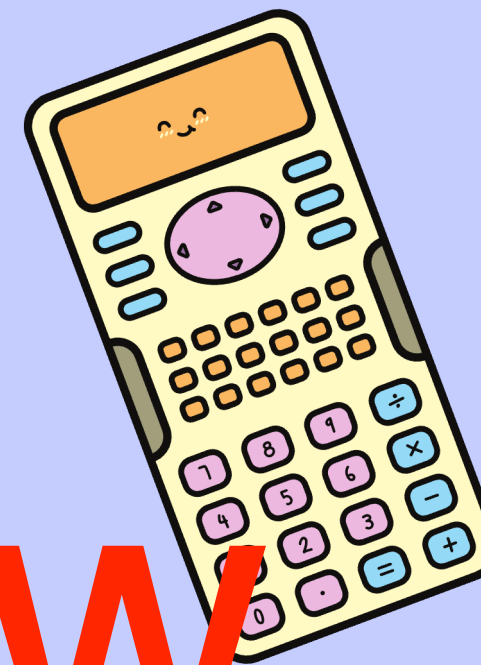
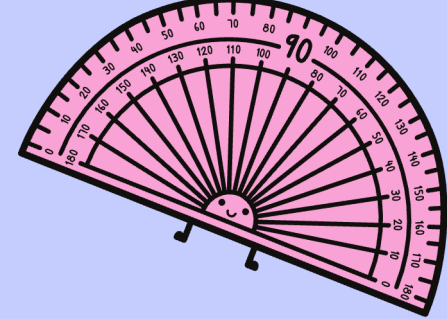
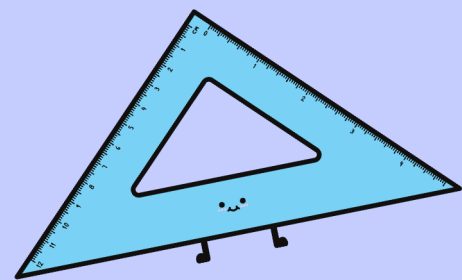
Preview Preview

$$\$40 - \$26 = \$14$$

Check: $\$26 + \$14 = \$40$.
The change is \$14

Preview





Preview Preview

Well Done!

Preview

