

Homework without the hassle

Sukindi is an Australian learning platform that supports Teachers, Parents and Students with an interactive homework app and downloadable resources.



Scan to start your
free 7-day trial

www.sukindi.com.au



Counting Money and Making Change - Year 4

Table of Contents	
Presentation: Counting Money and Making Change	
Classroom Display: Smart Money Steps	
Worksheet 1: Count It Efficiently – Support	
Worksheet 2: Mixed Money – Core Practice	
Worksheet 3: Same Value, Different Ways	
Worksheet 4: Make Change by Counting Up	
Worksheet 5: Round Cash Totals	
Worksheet 6: Community Market Shopping Challenge	
Game 1: Money Builder Challenge	
Game 2: Change Quest	
Quiz: Counting Money and Making Change	
Assessment: Weekend Sports Carnival Money Assessment	
Rubric: Counting Money and Making Change	



Smart Money Steps

1

1 Sort notes and coins.
Count from greatest
value to least.



2

2 Group equal values.
Multiply the number
of pieces by the value.



3

3 Add the notes total
and the coin total.



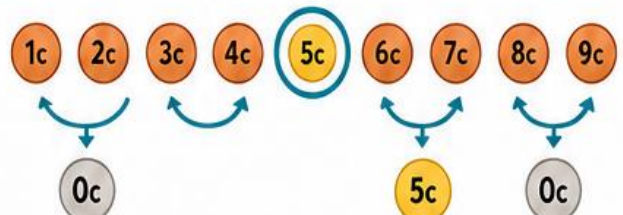
4

4 Make change by
counting up or
subtracting: amount
paid - cost.



5

5 Round cash totals to the nearest 5 cents:
1 or 2 down to 0; 3 or 4 up to 5;
6 or 7 down to 5; 8 or 9 up to the next 0.

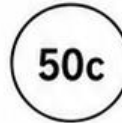
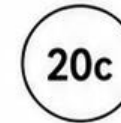


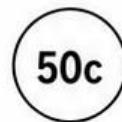
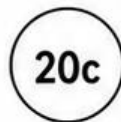
Estimate. Recalculate. Ask: Does the answer make sense?

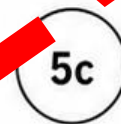
Name: _____

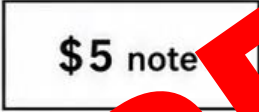
Count It Efficiently - Support

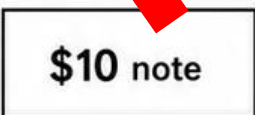
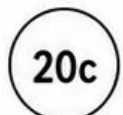
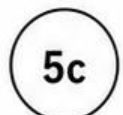
Count each collection. Group equal values, then add from greatest value to least.

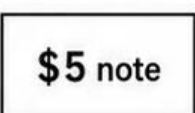
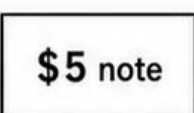
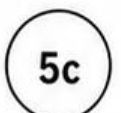
1.     
-

2.      
-

3.      
-

4.     
-

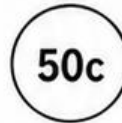
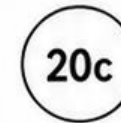
5.       
-

6.        
-

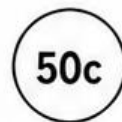
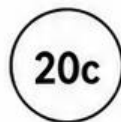
Name: **ANSWERS**

Count It Efficiently - Support

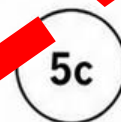
Count each collection. Group equal values, then add from greatest value to least.

1.     

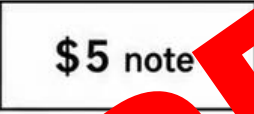
\$5.70

2.      

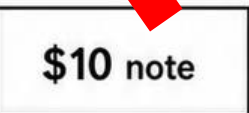
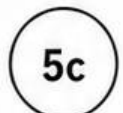
\$3.30

3.      

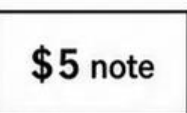
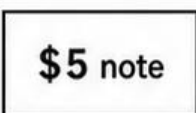
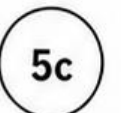
\$3.65

4.     

\$8.10

5.       

\$14.85

6.        

\$12.95

Mixed Money - Core Practice

Name: _____

Find the notes subtotal, the coins subtotal and the total.

- A** 2 x \$10 notes; 1 x \$5 note; 3 x \$2 coins; 2 x \$1 coins; 1 x 50c; 2 x 20c.

Notes subtotal

Coins subtotal

Total

- B** 1 x \$20 note; 2 x \$5 notes; 1 x \$2 coin; 3 x \$1 coins; 2 x 50c;
1 x 20c; 3 x 10c.

Notes subtotal

Coins subtotal

Total

- C** 1 x \$50 note; 1 x \$10 note; 2 x \$2 coins; 1 x \$1 coin; 3 x 20c;
2 x 10c; 1 x 5c.

Notes subtotal

Coins subtotal

Total

- D** 2 x \$5 notes; 1 x \$2 coin; 4 x \$1 coins; 1 x 50c; 2 x 20c; 1 x 10c.

Notes subtotal

Coins subtotal

Total

- E** 2 x \$20 notes; 1 x \$10 note; 1 x \$5 note; 1 x \$2 coin; 2 x \$1 coins;
1 x 50c; 1 x 20c; 1 x 5c.

Notes subtotal

Coins subtotal

Total

- F** 1 x \$100 note; 2 x \$20 notes; 1 x \$10 note; 2 x \$5 notes; 1 x \$2 coin;
1 x \$1 coin; 1 x 50c; 2 x 20c; 1 x 10c; 1 x 5c.

Notes subtotal

Coins subtotal

Total

Mixed Money - Core Practice

Name: ANSWERS

Find the notes subtotal, the coins subtotal and the total.

- A** 2 x \$10 notes; 1 x \$5 note; 3 x \$2 coins; 2 x \$1 coins; 1 x 50c; 2 x 20c.

Notes subtotal

\$25.00

Coins subtotal

\$8.90

Total

\$33.90

- B** 1 x \$20 note; 2 x \$5 notes; 1 x \$2 coin; 3 x \$1 coins; 2 x 50c; 1 x 20c; 3 x 10c.

Notes subtotal

\$30.00

Coins subtotal

\$6.50

Total

\$36.50

- C** 1 x \$50 note; 1 x \$10 note; 2 x \$2 coins; 1 x \$1 coin; 3 x 20c; 2 x 10c; 1 x 5c.

Notes subtotal

\$60.00

Coins subtotal

\$5.85

Total

\$65.85

- D** 2 x \$5 notes; 1 x \$2 coin; 4 x \$1 coins; 1 x 50c; 2 x 20c; 1 x 10c.

Notes subtotal

\$13.00

Coins subtotal

\$9.00

Total

\$24.00

- E** 2 x \$20 notes; 1 x \$10 note; 1 x \$5 note; 1 x \$2 coin; 2 x \$1 coins; 1 x 50c; 1 x 20c; 1 x 5c.

Notes subtotal

\$55.00

Coins subtotal

\$4.75

Total

\$59.75

- F** 1 x \$100 note; 2 x \$20 notes; 1 x \$10 note; 2 x \$5 notes; 1 x \$2 coin; 1 x \$1 coin; 1 x 50c; 2 x 20c; 1 x 10c; 1 x 5c.

Notes subtotal

\$160.00

Coins subtotal

\$4.05

Total

\$164.05

Name: _____

Same Value, Different Ways



Make each amount in two different ways using Australian money values.
Show your coins and notes or write a number sentence.

\$3.40	Way A	Way B
\$5.75	Way A	Way B no 5c coin
\$8.20	Way A	Way B
\$12.65	Way A	Way B no \$2 coins
\$19.90	Way A	Way B no \$10 note

Name: ANSWERS

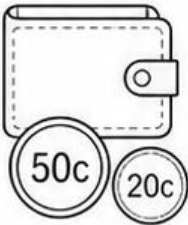


Same Value, Different Ways

Make each amount in two different ways using Australian money values.
Show your coins and notes or write a number sentence.

\$3.40	Way A $\$2 + \$1 + 2 \times 20c$	Way B $3 \times \$1 + 2 \times 20c$
\$5.75	Way A $\$5 + 50c + 20c + 5c$	Way B no 5c coin $2 \times \$2 + \$1 + 2 \times 20c + 10c + 5c$
\$8.20	Way A $\$5 + \$2 + \$1 + 20c$	Way B $4 \times \$2 + 20c$
\$12.65	Way A $\$10 + \$2 + 50c + 10c + 5c$	Way B no \$2 coins $2 \times \$5 + 2 \times \$1 + 3 \times 20c + 5c$
\$19.90	Way A $\$10 + \$5 + 2 \times \$2 + 50c + 2 \times 20c$	Way B no \$10 note $3 \times \$5 + 2 \times \$2 + 4 \times 20c + 10c$

Name: _____



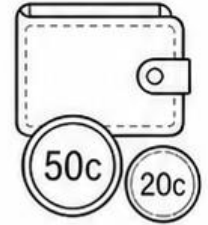
Make Change by Counting Up



Example:
\$3.60 to \$5.00: +40c to \$4, +\$1 to \$5, change \$1.40.

Cost	Paid	Count-up working	Change
\$3.65	\$5		
\$7.40	\$10		
\$12.75	\$20		
\$18.90	\$20		
\$23.45	\$50		
\$37.60	\$50		
\$46.85	\$100		
\$68.70	\$100		

Name: **ANSWERS**



Make Change by Counting Up



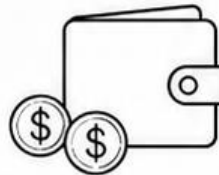
Example:

\$3.60 to \$5.00: +40c to \$4, +\$1 to \$5, change \$1.40.

Cost	Paid	Count-up working	Change
\$3.65	\$5	\$3.65 -> \$4 +35c; -> \$5 +\$1	\$1.35
\$7.40	\$10	\$7.40 -> \$8 +60c; -> \$9 +\$2	\$2.60
\$12.75	\$20	\$12.75 -> \$13 +25c; -> \$20 +\$7	\$7.25
\$18.90	\$20	\$18.90 -> \$19 +10c; -> \$20 +\$1	\$1.10
\$23.45	\$50	\$23.45 -> \$24 +55c; -> \$50 +\$26	\$26.55
\$37.60	\$50	\$37.60 -> \$38 +40c; -> \$50 +\$12	\$12.40
\$46.85	\$100	\$46.85 -> \$47 +15c; -> \$100 +\$53	\$53.15
\$68.70	\$100	\$68.70 -> \$69 +30c; -> \$100 +\$31	\$31.30

Name: _____

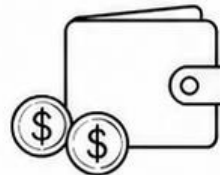
Round Cash Totals



Cash totals round to the nearest 5 cents: 1-2 down, 3-4 up, 6-7 down, 8-9 up.

Amount	Up or down?	Rounded cash total
\$2.31		
\$4.42		
\$6.63		
\$8.74		
\$3.86		
\$5.97		
\$9.18		
\$12.01		
\$14.12		
\$16.23		
\$18.64		
\$20.79		

Name: ANSWERS



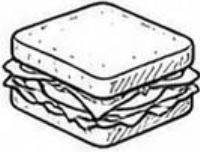
Round Cash Totals

Cash totals round to the nearest 5 cents: 1-2 down, 3-4 up, 6-7 down, 8-9 up.

Amount	Up or down?	Rounded cash total
\$2.31	down	\$2.30
\$4.42	down	\$4.40
\$6.63	up	\$6.65
\$8.74	up	\$8.75
\$3.86	down	\$3.85
\$5.97	down	\$5.95
\$9.99	up	\$10.00
\$12.01	down	\$12.00
\$14.12	down	\$14.10
\$16.23	up	\$16.25
\$18.64	up	\$18.65
\$20.79	up	\$20.80

Name: _____

Community Market Shopping Challenge

					
Fruit cup \$4.35	Sandwich \$7.80	Drink \$2.65	Badge \$3.20	Book \$12.45	Craft kit \$9.75

1 What is the total cost of a fruit cup and a drink?

2 What change would you receive from \$10 for those two items?

3 What is the total cost of a sandwich and a badge?

4 What change would you receive from \$20 for those two items?

5 What is the total cost of a book and a craft kit?

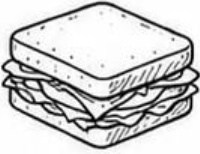
6 What change would you receive from \$50 for those two items?

7 Choose any three items costing less than \$20. Show the items and total.

8 Find the difference between the most and least expensive items.

Name: **ANSWERS**

Community Market Shopping Challenge

					
Fruit cup \$4.35	Sandwich \$7.80	Drink \$2.65	Badge \$3.20	Book \$12.45	Craft kit \$9.75

1 What is the total cost of a fruit cup and a drink?

\$7.00

2 What change would you receive from \$10 for those two items?

\$3.00

3 What is the total cost of a sandwich and a badge?

\$11.00

4 What change would you receive from \$20 for those two items?

\$9.00

5 What is the total cost of a book and a craft kit?

\$22.20

6 What change would you receive from \$50 for those two items?

\$27.80

7 Choose any three items costing less than \$20. Show the items and total.

Suggested: fruit cup + sandwich + drink = \$14.80

8 Find the difference between the most and least expensive items.

\$9.80



Money Builder Challenge



Choose a target. Build it with play money.
Show a second way. Explain which way uses fewer pieces.

\$3.45

Way A

Way B

\$4.80

Way A

Way B

\$6.25

Way A

Way B

\$7.90

Way A

Way B

\$9.55

Way A

Way B

\$12.30

Way A

Way B



You need: play money, target cards
and a recording sheet.



Money Builder Challenge Cards



**\$2.65 -
no \$1 coins**



**\$3.80 -
exactly 5 pieces**



**\$4.25 -
include a 5c coin**



**\$5.60 -
no 20c coins**



**\$6.95 -
exactly 6 pieces**



**\$7.00 -
no 50c coins**



**\$8.15 -
include two \$2 coins**



**\$9.70 -
no \$1 coins**



**\$10.55 -
include a 5c coin**



**\$11.85 -
exactly 7 pieces**



**\$13.20 -
no \$2 coins**



**\$14.75 -
show two ways**





Change Quest

Roll and move. On a card space, draw a transaction card and calculate the change. Keep the card if correct. First to collect 5 cards wins.



1

2



3



4



5

10



9



8

7



6



11

12



13



14



15

20

19



18



17

16





Change Quest Transaction Cards



Cost
\$2.35

Paid
\$5

What is the change?

Cost
\$4.70

Paid
\$10

What is the change?

Cost
\$7.85

Paid
\$10

What is the change?

Cost
\$11.45

Paid
\$20

What is the change?

Cost
\$13.60

Paid
\$20

What is the change?

Cost
\$18.75

Paid
\$20

What is the change?

Cost
\$22.50

Paid
\$50

What is the change?

Cost
\$31.65

Paid
\$50

What is the change?

Cost
\$46.80

Paid
\$50

What is the change?

Cost
\$54.95

Paid
\$100

What is the change?

Cost
\$67.40

Paid
\$100

What is the change?

Cost
\$82.75

Paid
\$100

What is the change?

Weekend Sports Carnival Money Assessment

Name: _____

Date: _____



	Entry wristband	\$6.50
	Snack	\$4.75
	Drink	\$3.25
	Cap	\$12.95
	Program	\$5.60
	Game token pack	\$8.40



1	Find the total cost of a cap and a program.
2	Find the change from \$20 for those items.
3	Find the total cost of a snack, a drink and a game token pack.
4	Find the change from \$20 for those items.
5	Find the total for $\$10 + \$5 + \$2 + \$1 + \$1 + 50c + 20c + 10c + 10c + 5c$.
6	Show a different combination that makes exactly \$9.70.
7	Round a cash total of \$14.98.
8	Choose any two items costing under \$15 altogether. Find the change from \$20.

Weekend Sports Carnival Money Assessment

ANSWERS _____

Date: _____



	Entry wristband	\$6.50
	Snack	\$4.75
	Drink	\$3.25
	Cap	\$12.95
	Program	\$5.60
	Game token pack	\$8.40



1	Find the total cost of a cap and a program. \$18.55
2	Find the change from \$20 for those items. \$1.45
3	Find the total cost of a snack, a drink and a game token pack. \$16.40
4	Find the change from \$20 for those items. \$3.60
5	Find the total for \$10 + \$5 + \$2 + \$1 + \$1 + 50c + 20c + 10c + 10c + 5c. \$19.95
6	Show a different combination that makes exactly \$9.70. Suggested: \$5 + \$2 + \$2 + 50c + 20c = \$9.70
7	Round a cash total of \$14.98. \$15.00
8	Choose any two items costing under \$15 altogether. Find the change from \$20. Suggested: snack + program = \$10.35; change = \$9.65

Counting Money and Making Change Rubric

CRITERIA	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Counts mixed notes and coins	Counts with lots of help and makes many errors.	Counts with some help and makes some errors.	Counts accurately with little or no help.	Counts accurately and efficiently independently.	Counts accurately and efficiently using flexible strategies and explains thinking.
Represents equal values in different ways	Needs support to show equal values in different ways.	Shows some equal values but not always.	Shows equal values in different ways accurately.	Shows equal values in different ways accurately and efficiently.	Shows equal values in many ways and explains why they are equal.
Calculates change	Needs lots of support to work out change and is often incorrect.	Works out change with some support and makes some errors.	Calculates change accurately with little or no help.	Calculates change accurately and efficiently in a variety of situations.	Calculates change flexibly and explains thinking clearly.
Rounds cash totals to the nearest 5 cents	Needs support to round to the nearest 5 cents and is often incorrect.	Rounds to the nearest 5 cents with some help and makes some errors.	Rounds cash totals to the nearest 5 cents accurately.	Rounds cash totals to the nearest 5 cents accurately and efficiently.	Rounds cash totals and explains thinking, choosing efficient strategies.
Solves and explains transaction problems	Needs lots of support to solve problems and explain thinking.	Solves problems with some support and gives a simple explanation.	Solves problems accurately and explains thinking clearly.	Solves problems efficiently and explains thinking clearly.	Solves problems in flexible ways and explains thinking thoroughly.

Counting Money and Making Change

PREVIEW



Learning intention

We are learning to count mixed Australian money, make and check change, and round cash totals.

Success looks like:

- I group equal value
- I choose an efficient strategy.
- I explain and check my answer.



Know the values

Notes: \$5, \$10, \$20, \$50, \$100

Coins: 5c, 10c, 20c, 50c, \$1, \$2

Remember: 100 c = \$1.



Sort before you count

1. Separate notes from coins.
2. Group equal denominations.
3. Start with the greatest value
4. Keep a running total.



Multiply repeated values

Four \$2 coins: $4 \times \$2 = \$8$

Three 20c coins: $3 \times 20c = 60c$

Two \$10 notes: $2 \times \$10 = \$20$

Multiplication is faster and simpler than counting one piece at a time.



Find the notes subtotal

Example: $\$20 + \$10 + \$5 + \$5$

Group first: $1 \times \$20, 1 \times \$10, 2 \times \$5$

Notes subtotal = $\$20 + \$10 + \$5 + \$5 = \$40$



Find the coins subtotal

Example: \$2 + \$2 + \$1 + 50c + 20c + 20c + 5c

Dollars: \$5

Cents: 95c

Coins subtotal: \$5.95



Combine the subtotals

Notes subtotal: \$40.00

Coins subtotal: \$5.95

$$\$40.00 + \$5.95 = \$45.95$$

Line up dollars and cents before adding.



Estimate and check

Round first: \$45.95 is about \$46.

Check the order: greatest value to least.

Recount one denomination at a time.

Compare your exact answer with the estimate.



Same value, different ways

\$5.75 can be made as:

$\$5 + 50c + 20c + 5c$

or

$\$2 + \$2 + \$1 + 50c + 20c + 5c$

Different combinations can have the same total.



Change links cost and payment

Change = amount paid – cost

A snack costs \$6.35. You pay \$10.00

$\$10.00 - \$6.35 = \$3.65$ change



Strategy 1: count up

Cost \$6.35, paid \$10

\$6.35 → \$7.00: +65c

\$7.00 → \$10.00: +\$3

Change = \$3.65



Strategy 2: subtract

Write the amounts in columns:

\$10.00

– \$6.35

= \$3.65

Count up to check the subtraction.



Round cash totals

Cash totals round to the nearest 5 cents.

1 or 2 → down to 0

3 or 4 → up to 5

6 or 7 → down to 5

8 or 9 → up to the next 0

Example: \$1.18 → \$1.20



Solve shopping problems

1. Read the question.
2. Find the total cost.
3. Note the amount paid.
4. Calculate change.
5. Check whether the answer is reasonable.



Worked example

At a sports stall, a cap costs \$6.75 and a drink costs \$4.20.

Total cost: $\$6.75 + \$4.20 = \$10.95$

Paid: \$20.00

Change: $\$20.00 - \$10.95 = \$9.05$



Choose, solve, check

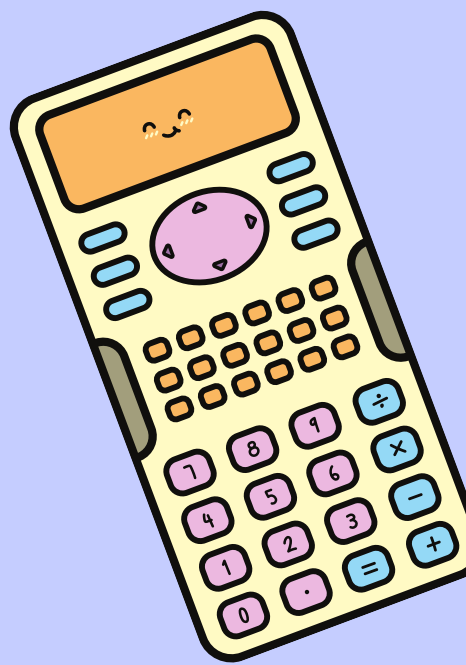
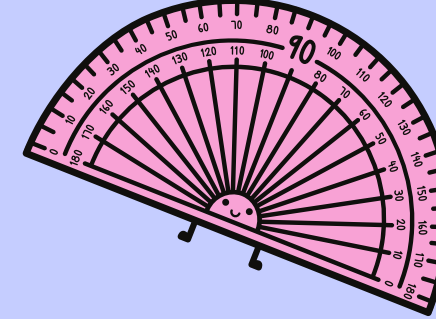
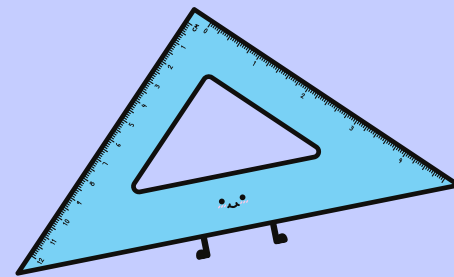
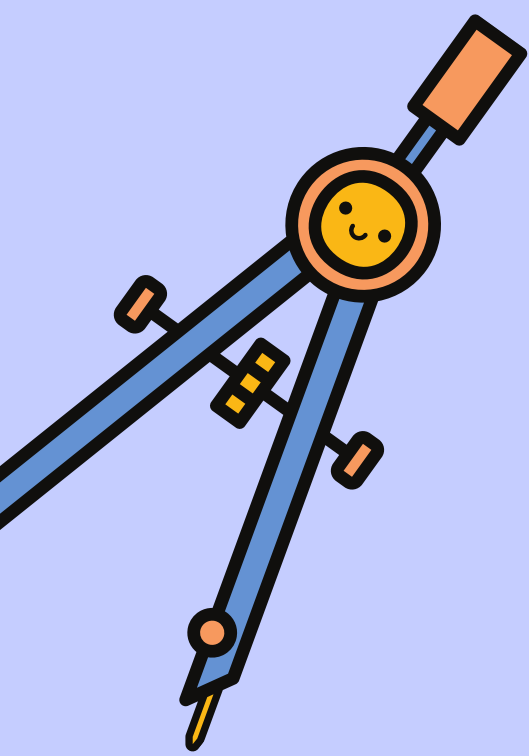
Use grouping to count.

Use counting up or subtraction for change.

Round only when the task says with rounding.

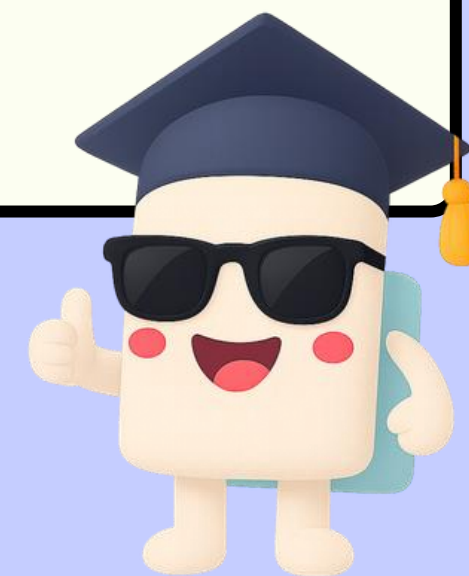
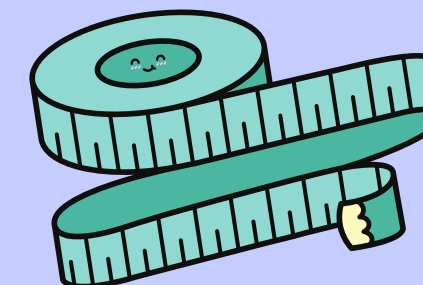
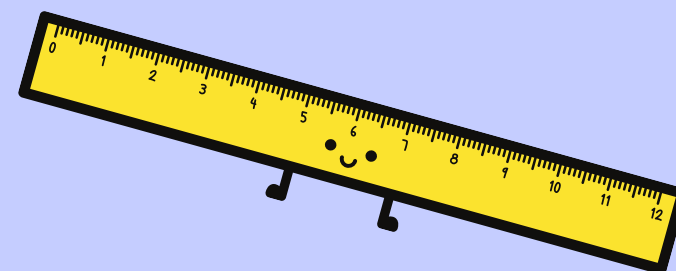
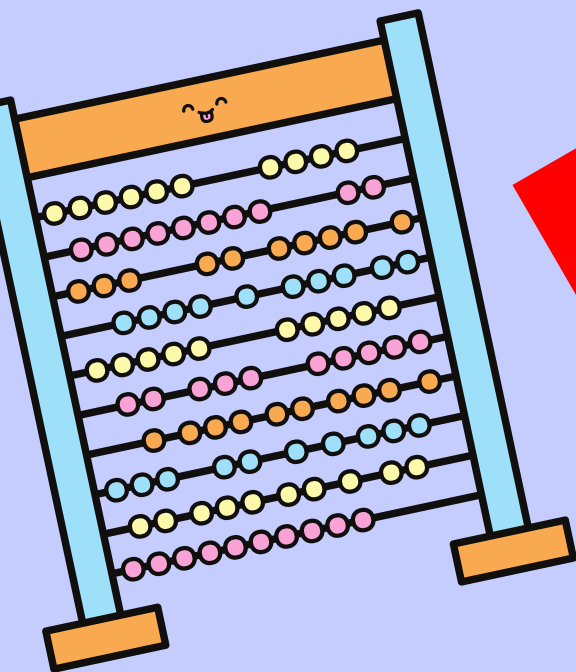
Finish by asking: Does my answer make sense?





Well Done!

PREVIEW



Counting Money and Making Change Quiz

PREVIEW



Question 1

True or false?

$$\$2 + \$1 + 50c + 20c = \$3.70$$



Answer 1

True.

$$\$2 + \$1 + \$0.50 + \$0.20 = \$3.70$$



Question 2

What is the total?

$\$10 + \$5 + \$2 + \$1 + 50c + 20c$

A \$17.70 B \$18.20

C \$18.70 D \$19.90



Answer 2

C \$18.70

Notes and dollar coins = \$18

Silver coins = 70c



Question 3

A toy costs \$7.35.

You pay with \$10.

How much change should you receive?



Answer 3

\$2.65

\$7.35 → \$8.00 is 65c

\$8.00 → \$10.00 is \$2



Question 4

Which set makes \$4.85?

A $\$2 + \$2 + 50c + 20c + 10c + 5c$

B $\$2 + \$1 + 50c + 20c + 10c$

C $\$5 + 50c$

D $\$2 + \$2 + 20c + 20c$



Answer 4

A

$$\$2 + \$2 = \$4$$

$$50c + 20c + 10c + 5c = 85c$$

$$\text{Total} = \$4.85$$



Question 5

True or false?

A cash total of \$6.72 rounds to \$7.00.



Answer 5

True.

A final digit of 2 rounds down
to the nearest 5 cents.



Question 6

Find the total cost.

$$\$5.60 + \$3.25 = ?$$



Answer 6

\$8.85

$$\$5.60 + \$3.25 = \$8.85$$



Question 7

Two items cost \$6.40 and \$8.75.

You pay with \$20. What is the change?

A \$3.85 B \$4.15

C \$4.85 D \$5.15



Answer 7

C \$4.85

Total cost = \$15.15

$\$20.00 - \$15.15 = \$4.85$



Question 8

True or false?

$$2 \times \$2 + \$1 + 3 \times 20c = \$5.60$$



Answer 8

True.

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

$$3 \times 20c = 60c$$

$$\$4 + \$1 + 60c = \$5$$



Question 9

A book costs \$12.95.

You pay with \$20.

Find the change.



Answer q

\$7.05

\$12.95 → \$13.00 is 5c

\$13.00 → \$20.00 is \$7



Question 10

Round \$18.98 for a cash payment.

- A \$18.95 B \$18.98
C \$19.00 D \$19.05

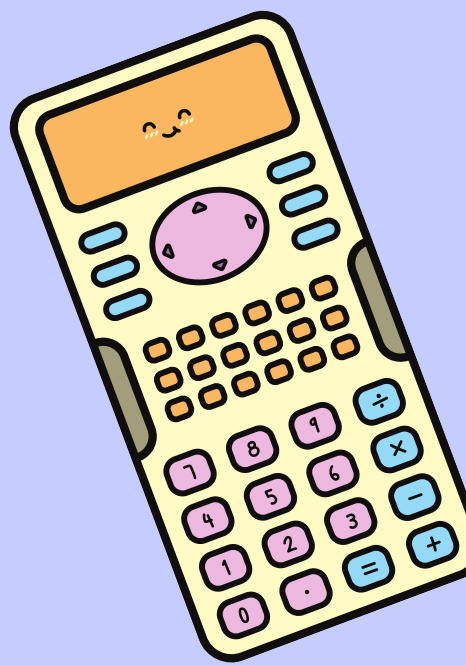
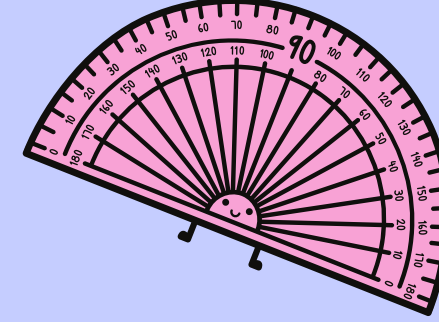
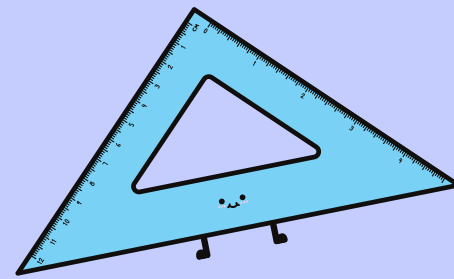
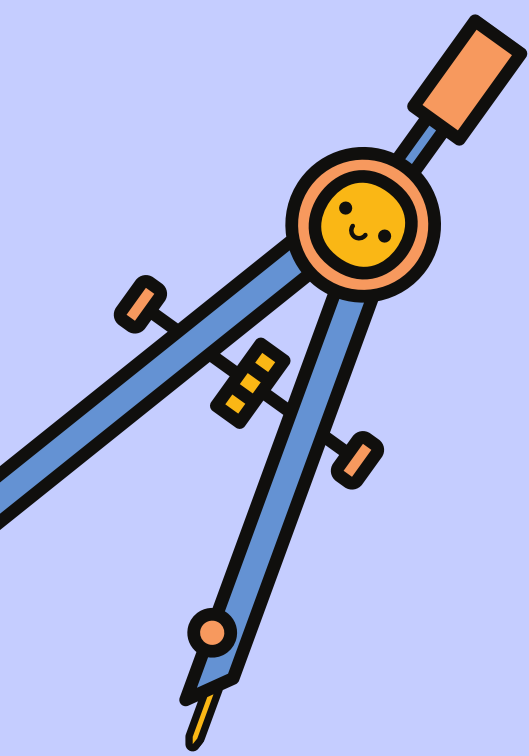


Answer 10

C \$19.00

A final digit of 8 rounds up
to the next 10 cents.





Well Done!

PREVIEW

