1. Which tool is used to tell time?
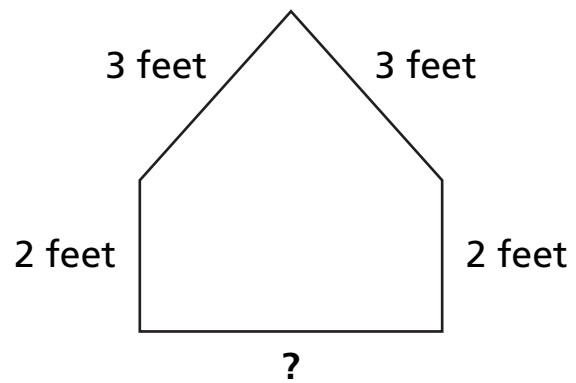
    Ⓐ Clock

    Ⓑ Ruler

    Ⓒ Scale

    Ⓓ Thermometer

1. Alex measured the height of his kitchen.

Which might be this measurement?

Ⓐ 8 inches

Ⓑ 8 feet

Ⓒ 8 yards

Ⓓ 8 pounds

Use the figure below to answer question 1.

3 feet   3 feet

2 feet   2 feet

?

1. The perimeter of the figure is 14 feet.

    What is the length of the missing side?

    Ⓐ   2 feet
    Ⓑ   3 feet
    Ⓒ   4 feet
    Ⓓ   10 feet

1. Jose jumped 1 yard.

How many feet did he jump?

Ⓐ 1 ft.

Ⓑ 2 ft.

Ⓒ 3 ft.

Ⓓ 4 ft.

1. Mica gets up each morning at ten minutes before seven o'clock.

What time does Mica get up each morning?

Ⓐ 6:10 a.m.

Ⓑ 6:50 a.m.

Ⓒ 7:00 a.m.

Ⓓ 7:10 a.m.

1. Sonya started practicing her flute at 5:45 p.m.

   She stopped practicing at 6:15 p.m.

   How much time did Sonya spend practicing her flute?

   Ⓐ 15 minutes

   Ⓑ 30 minutes

   Ⓒ 45 minutes

   Ⓓ 1 hour and 30 minutes

1. Billy has $5.00.

He spends $4.20 for a balloon.

Part A   How much change should Billy receive?

Show or explain your answer.

_____

_____

Part B   Can Billy receive only quarters as the correct change?

Explain your answer.

_____

_____

Part C   Can Billy receive only dimes as the correct change?

Explain your answer.

_____

_____

1. Gil had $1.00.

   He spent $0.84 at the store.

   How much change should Gil have received?

   Ⓐ $0.06

   Ⓑ $0.14

   Ⓒ $0.16

   Ⓓ $0.26

1. Emma bought a jump rope for $1.50.

   She gave the cashier $2.00.

   What change should Emma have received?

   Ⓐ 2 quarters

   Ⓑ 3 dimes

   Ⓒ 1 nickel, 1 dime, 1 quarter

   Ⓓ 3 quarters

230762

MCA-II Item Sampler Answer Key
Grade 3 Mathematics

Item #	Correct Answer	Item Type	Strand	Sub-Strand	Benchmark	Cognitive Level
230217	A	MC	V	C	1	A
230220	B	MC	V	C	1	A
230225	C	MC	V	C	2	B
230227	C	MC	V	C	3	A
230745	B	MC	V	C	4	A
230755	B	MC	V	C	5	A
230243	See Annotation	CR	V	C	6	B
232367	C	MC	V	C	6	A
230762	A	MC	V	C	6	A

MCA-II Item Sampler
Rubric, Sample Responses and Answer Annotations
Grade 3 Mathematics

Rubric:

Score	Description
3	The response includes the 3 following score points: • correct answer and work for Part A • correct and complete explanation for Part B • correct and complete explanation for Part C
2	The response includes 2 of the 3 score points.
1	The response includes 1 of the 3 score points. OR The response includes some relevant work.
0	The response is incorrect or irrelevant.

Sample Answer:

Part A $5.00 - $4.20 = $0.80
Billy should receive 80 cents in change.
OR
Other acceptable explanation

Part B   No, Billy cannot receive only quarters.
Three quarters is 75 cents which is not enough and four quarters is
$1 which is too much.
OR
Other acceptable explanation

Part C   Yes, Billy can receive only dimes.
Eight dimes is 80 cents, which is the change Billy should receive.
OR
Other acceptable explanation

1. Billy has $5.00.

He spends $4.20 for a balloon.

Part A   How much change should Billy receive?

Show or explain your answer.

Billy gets 80¢ in change because
I know $4.20 + 80¢ $5.00

Part B   Can Billy receive only quarters as the correct change?

Explain your answer.

No!. Because   quarters are 25¢
And 25+25+25 = 75 not 80.

Part C   Can Billy receive only dimes as the correct change?

Explain your answer.

Yes!. because dimes are 10¢. So
go count by 10's, 10,20,30,40,50,60,70,80

Score Point: 3
The response has a correct answer and work shown for Part A, complete explanation for Part B and complete explanation for Part C.

1. Billy has $5.00.

   He spends $4.20 for a balloon.

   Part A   How much change should Billy receive?

   Show or explain your answer.

   80¢ Because if you take away
   $4.20 from $5.00 Billy payed its
   80 ¢

   Part B   Can Billy receive only quarters as the correct change?

   Explain your answer.

   No Because 80 is not a
   multipal of 25.

   Part C   Can Billy receive only dimes as the correct change?

   Explain your answer.

   yes Because 80 is a
   multipal of 10.

Score Point: 3
The response has a correct answer and work shown for Part A, complete
explanation for Part B and complete explanation for Part C.

1. Billy has $5.00.

   He spends $4.20 for a balloon.

   Part A   How much change should Billy receive?

   Show or explain your answer.

   80¢ $5.00 − $4.20 = 80¢

   Part B   Can Billy receive only quarters as the correct change?

   Explain your answer.

   No.   3 quarters = 75¢
   4 quarters = 1$

   Part C   Can Billy receive only dimes as the correct change?

   Explain your answer.

   No. He could have 80
   Pennies.

1. Billy has $5.00.

   He spends $4.20 for a balloon.

   Part A   How much change should Billy receive?

   Show or explain your answer.

   ¢60 because he will
   have ¢60 left.

   Part B   Can Billy receive only quarters as the correct change?

   Explain your answer.

   He cannot becduse 3 Q
   is ¢75 and 2Q is ¢50.

   Part C   Can Billy receive only dimes as the correct change?

   Explain your answer.

   Yes he can because 6x10
   _is 60._

Score Point: 2
The response has an incorrect answer and no work shown for Part A, but the explanations for Part B and Part C are correct and complete based on the answer from Part A.

1. Billy has $5.00.

   He spends $4.20 for a balloon.

   Part A   How much change should Billy receive?

   Show or explain your answer.

   40¢   I subtracted five
   dollars from $4.20

   Part B   Can Billy receive only quarters as the correct change?

   Explain your answer.

   no because quarters are
   25¢ and 2 equals 50¢

   Part C   Can Billy receive only dimes as the correct change?

   Explain your answer.

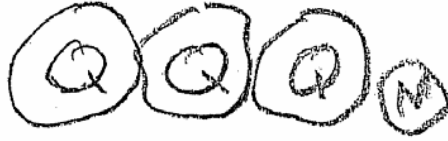   no because 5 dimes are 50¢

Score Point: 1
The response has an incorrect answer for Part A, but the explanation for Part B
is correct and complete based on the answer from Part A. The explanation for
Part C is incorrect.

1. Billy has $5.00.

   He spends $4.20 for a balloon.

   Part A How much change should Billy receive?

   Show or explain your answer.

   _____

   _____

   Part B Can Billy receive only quarters as the correct change?

   Explain your answer.

   no

   _____

   _____

   Part C Can Billy receive only dimes as the correct change?

   Explain your answer.

   no

   _____

   _____

1. Billy has $5.00.

   He spends $4.20 for a balloon.

   Part A   How much change should Billy receive?

   Show or explain your answer.

   $$\begin{array}{r} 5.00 \\ -4.00 \\ \hline 1.00 \end{array}$$ 1.00

   Part B   Can Billy receive only quarters as the correct change?

   Explain your answer.

   no because 5-4: 1.00 so they wod give Billy a dolor 1.00.

   Part C   Can Billy receive only dimes as the correct change?

   Explain your answer.

   no he wod got a 1oo not dimes.

Score Point: 0
The response shows an attempt at finding change, but shows no relevant work.

1. Billy has $5.00.

    He spends $4.20 for a balloon.

    Part A How much change should Billy receive?

    Show or explain your answer.

    because he wott the balloon

    Part B Can Billy receive only quarters as the correct change?

    Explain your answer.

    I dont no

    Part C Can Billy receive only dimes as the correct change?

    Explain your answer.

    yes