Unit 4: Home Practice

Part 1 Mental Math Strategies

1. **A.** $12 - 4 =$ _____   2. **A.** $3 + 8 =$ _____

   B. $52 - 4 =$ _____   **B.** $43 + 8 =$ _____

   C. $72 - 4 =$ _____   **C.** $123 + 8 =$ _____

3. Kim's class has 34 students in it. Draw a picture to show how many teams of four can be formed. Write a number sentence to describe this problem.

4. **A.** Skip count by tens from 100 to 300.

   _____
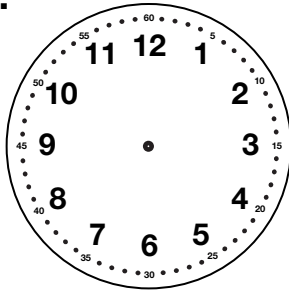
   B. Skip count by hundreds from 100 to 1000.

   _____

Part 2 Break Apart Numbers

1. **A.** $80 - 20 =$ _____   2. **A.** $110 - 20 =$ _____

   B. $30 + 40 =$ _____   **B.** $30 + 90 =$ _____

   C. $50 - 30 =$ _____   **C.** $130 - 50 =$ _____

3. Break the following numbers into two, three, or four parts.

   A. $79 =$ _____ $+$ _____

   B. $507 =$ _____ $+$ _____

   $507 =$ _____ $+$ _____ $+$ _____

   C. $1551 =$ _____ $+$ _____ $+$ _____

   $1551 =$ _____ $+$ _____ $+$ _____ $+$ _____
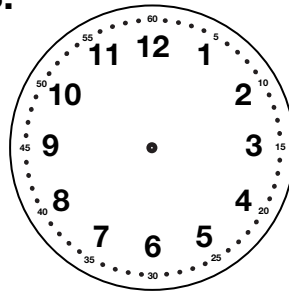
Part 3 Time and Money

1. Use the clocks to draw the minute and hour hands for the time that the activity begins.
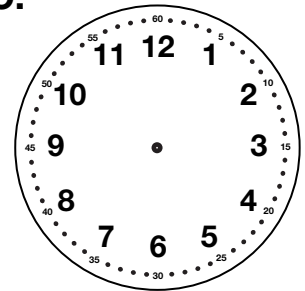
A.

I brush my teeth before school.

B.

I go to bed.

C.

I do my homework.

2. Maruta works part-time at the TIMS Candy Company. She starts work at 8 A.M. and leaves at 11:30 A.M. How many hours does she work?

_____

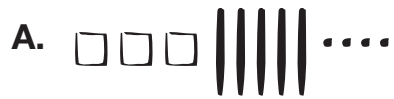3. **A.** Emily has 7 dimes and 25 pennies. How much money does she have?

_____

B. If she traded the pennies for as many dimes as possible, how many dimes would she have in all?

_____

C. How many pennies would be left over?

_____

4. Jason has 3 dollars, 2 dimes, and 7 pennies. If he trades his money for all pennies, how many pennies will he have?

_____

Part 4 Showing Numbers

1. Write a number sentence that shows the value of the base-ten pieces. The first one is done for you.

A. □□□ ||||| ....

$$354 = 300 + 50 + 4$$

B. ▱▱□□ | :....

_____

C. ▱▱□ ...

_____

D. □□□□□ |||| :::..

_____

2. Use base-ten shorthand to represent the following numbers.

A. 76

B. 129

C. 32

D. 344

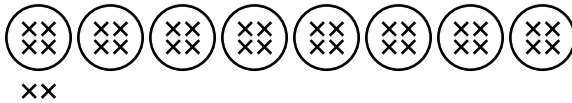3. Write the number using the Fewest Pieces Rule.

A. □□□ ||||| ||||| ::::: ||||

_____

B. □ ||||| ||||| ::::: ||

_____

C. ||||| ::::: |||

_____

D. □□ ||||| ||||| ::::: |||||| |

_____
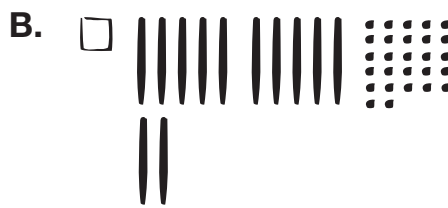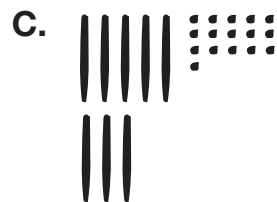
Home Practice

Part 1. Mental Math Strategies (TG p. 1)

Questions 1–4

I. **A.** 8
  B. 48
  C. 68

2. **A.** 11
  B. 51
  C. 131

3.

$$8 \times 4 + 2 = 34$$

4. **A.** 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300
  B. 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000

Part 2. Break Apart Numbers (TG p. 1)
Questions 1–3

I. **A.** 60
  B. 70
  C. 20

2. **A.** 90
  B. 120
  C. 80

3. Answers will vary. Possible responses:
  A. $79 = 59 + 20$
  B. $507 = 500 + 7$
    $507 = 100 + 400 + 7$
  C. $1551 = 1000 + 500 + 51$
    $1551 = 1000 + 500 + 50 + 1$

Name _____ Date _____

Unit 4: Home Practice

Part 1 Mental Math Strategies

1. **A.** 12 − 4 = _____   2. **A.** 3 + 8 = _____
  B. 52 − 4 = _____   **B.** 43 + 8 = _____
  C. 72 − 4 = _____   **C.** 123 + 8 = _____

3. Kim's class has 34 students in it. Draw a picture to show how many teams of four can be formed. Write a number sentence to describe this problem.

4. **A.** Skip count by tens from 100 to 300.
  _____
  B. Skip count by hundreds from 100 to 1000.
  _____

Part 2 Break Apart Numbers

1. **A.** 80 − 20 = _____   2. **A.** 110 − 20 = _____
  B. 30 + 40 = _____   **B.** 30 + 90 = _____
  C. 50 − 30 = _____   **C.** 130 − 50 = _____

3. Break the following numbers into two, three, or four parts.
  A. 79 = _____ + _____
  B. 507 = _____ + _____
    507 = _____ + _____ + _____
  C. 1551 = _____ + _____ + _____
    1551 = _____ + _____ + _____ + _____

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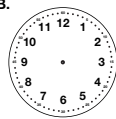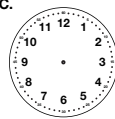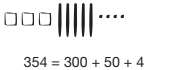
Teacher Guide - Page 1

Name _____ Date _____

Part 3 Time and Money

1. Use the clocks to draw the minute and hour hands for the time that the activity begins.

A. [clock]
I brush my teeth before school.

B. [clock]
I go to bed.

C. [clock]
I do my homework.

2. Maruta works part-time at the TIMS Candy Company. She starts work at 8 A.M. and leaves at 11:30 A.M. How many hours does she work?

_____

3. A. Emily has 7 dimes and 25 pennies. How much money does she have?

_____

B. If she traded the pennies for as many dimes as possible, how many dimes would she have in all?

_____

C. How many pennies would be left over?

_____

4. Jason has 3 dollars, 2 dimes, and 7 pennies. If he trades his money for all pennies, how many pennies will he have?

_____

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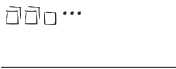
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Name _____ Date _____

Part 4 Showing Numbers

1. Write a number sentence that shows the value of the base-ten pieces. The first one is done for you.

A. [base-ten pieces]   B. [base-ten pieces]

$354 = 300 + 50 + 4$ _____

C. [base-ten pieces]   D. [base-ten pieces]

_____   _____

2. Use base-ten shorthand to represent the following numbers.

A. 76   B. 129

C. 32   D. 344

3. Write the number using the Fewest Pieces Rule.

A. [base-ten pieces]   B. [base-ten pieces]

_____   _____

C. [base-ten pieces]   D. [base-ten pieces]

_____   _____

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Home Practice
Part 3. Time and Money (TG p. 2)
Questions 1–4

1. Answers will vary. Possible times:
   A. 8 a.m.
   B. 11 p.m.
   C. 6 p.m.

2. $3\frac{1}{2}$ hours

3. A. 95¢
   B. 9 dimes
   C. 5 pennies

4. 327 pennies

Part 4. Showing Numbers (TG p. 3)
Questions 1–3

1. A. $354 = 300 + 50 + 4$
   B. $2{,}216 = 2000 + 200 + 10 + 6$
   C. $2{,}103 = 2000 + 100 + 3$
   D. $539 = 500 + 30 + 9$

2. Possible combinations:
   A. [base-ten shorthand]
   B. [base-ten shorthand]
   C. [base-ten shorthand]
   D. [base-ten shorthand]

3. A. 452
   B. 247
   C. 96
   D. 375