

SAMPLER CRS Middle School Math (College-Readiness Standards)

Level F – Grade 6

- □ Performance Tasks ①
- □ Comprehensive Domain Review ②
- □ Quik-Pikssm ③
- □ Comprehensive Pre-Post Assessment 5
- Pre-Post Assessment (Placement) 6

Level G – Grade 7

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- □ Comprehensive Domain Review ⑧
- □ Quik-Pikssm ④
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- □ Comprehensive Domain Review (1)
- □ Quik-Pikssm (15)
- □ Comprehensive Pre-Post Assessment ⑦
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Math Build-UpSM Grade 6 (19)

pREview Book 22

Key Components



Performance Tasks Level F



Comprehensive Domain Review Level F



CRS Quik-PiksSM Level F

| ACALETICS | 46 - 4 - 61 - | | | LEVEL | .F: (| QUIK | ·PIK # 8 |
|---|--|----------|-----|-------|-------|------|----------|
| 1. Complete | the table. | 1 | b) | c) 1 | d) | 1 | |
| | Fraction | 10 10 | 5 | 4 | | 2 | |
| | Decimal | | 0.2 | | | | |
| | Percent | | | 25% | | | |
| 2. Simplify ea | 2. Simplify each pair of fractions before dividing them. a) $\frac{3}{24} \div \frac{45}{5} =$ b) $\frac{7}{70} \div \frac{14}{2} =$ | | | | | | |
| 3. Lori is study was 0 °F. I degree. W | Lori is studying a solid substance in a lab. The starting temperature of the substance was 0 °F. Every second the temperature of the solid substance rises one-tenth of a degree. What was the temperature of the substance after 200 seconds? | | | | | | |
| Answer: | | | | | | | |
| 4. Calculate the area, in square feet, of the figure below that is composed of a triangle and a square. Note: Figure not drawn to scale. | | | | | | | |
| 5. The histogram shows the amount of dollars that students brought on a field | | | | | | | |
| trip. What percent of the students brought between 30 and 50 dollars? Round to the nearest tenth. <i>Field Trip Dollars</i> | | | | | | | |
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CRS Quik-PiksSM Level F

| LEVEL F: QUIK-PIK # 10 |
|---|
| 1. Your teacher gives you some cards to place in four different containers. He gives you hints about the number of cards that go in each container so that you can put the correct number of cards inside. |
| |
| A) Container #1 has 14 cards. Container #1 has 35% of the cards. What is the total number of cards in all four boxes? |
| Answer: |
| B) Container #2 gets ³/₂₀ of the cards. Lisa says that she can use a ratio table to figure out how many cards are in container #2. Kendrick says that it is not possible to find the amount of cards in container #2. Who is correct? Answer: |
| Answer: |
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CRS Comprehensive Pre-Post Assessment Level F



Pre-Post Assessment (Placement) Level F

| | I | LEVEL F: PRE/POST ASSESSMENT (CRS-Placement) |
|---------------------------------|--|---|
| Talladega had 6 pounds o | fsugar. She | divided it in $\frac{1}{2}$ -pound portions. |
| r many portions did she ma | ake? | |
| 2 | © 6 | |
| 4 | D 12 | (E) 14 |
| | | |
| | | |
| d will spend a total of 5 ho | ours working c | but. He switches exercises $\frac{1}{4}$ -hour at a time. |
| r many times will he switch | exercises? | |
| 1 | © 10 | |
| 5 | D 15 | Ē 20 |
| | | |
| | | |
| | | |
| 's bank account has a bal | lance of 70 do | ollars. |
| ch of the following is less t | han 70 dollars | S? |
| \$90 | © \$70 | |
| \$85 | D \$65 | (E) \$83 |
| | | |
| | | |
| n el Dovelopmont Associates In- | 7 | CODVING IS EODDIDDEN DV LAW |
| | Talladega had 6 pounds or many portions did she ma 2 4 d will spend a total of 5 ho many times will he switch 1 5 's bank account has a bal ch of the following is less t \$90 \$85 | Talladega had 6 pounds of sugar. She many portions did she make? 2 ① 6 4 ① 12 d will spend a total of 5 hours working of many times will he switch exercises? 1 ① 10 5 ① 15 r's bank account has a balance of 70 do ch of the following is less than 70 dollars §90 ② \$70 §85 ① \$65 |

Performance Tasks Level G



Comprehensive Domain Review Level G



CRS Quik-PiksSM Level G

| ACALETICS | | | LEVEL G: | QUIK-PIK # 3 | |
|--|---|---------------------------------|----------------------|-------------------------------|--|
| 1. The graph sho | ows the number of for vels everv second. | eet a remote | Remote v | Control Car Speed | |
| How many fee | t does the remote c | control car travel pe | r second? | | |
| (A) 1 foot | © 3 feet | | | | |
| B 2 feet | D 4 feet | (E) 6 feet | 0 1 | 2 3 4 5 6 Seconds | |
| 2. Which of the e | expressions below re | epresent the comp | utations indicated I | by the graph? | |
| | ← <mark> </mark> -7 -6 -5 -4 - | → 3 -2 -1 0 1 | 2 3 4 5 6 | → 7 | |
| (A) -7 + 5 − 4 | B 7 + 5 − 4 | © -7 + 5 + 4 (| 〕-7−5−4 Ē |) 7 + 5 + 4 | |
| 3. Solve the follo | 3. Solve the following equation for <i>x</i> : $18 = \frac{x}{2}$. | | | | |
| Answer: | | | | | |
| 4. Δ <i>LMN</i> is simila What is the me | ar to $\triangle OPQ$. easure of side \overline{OP} ? | | 7 m | P N O Z_{2} Q Q | |
| Answer: | | | 24 m Note: Figure | es <u>not</u> drawn to scale. | |
| 5. A survey determined that 5% of children have asthma in the United States. There are 300 children at a school. What is a good estimate for the number of children at the school who have asthma? | | | | | |
| (A) 15 | B 20 | © 25 (| D 30 E |) 35 | |
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CRS Quik-PiksSM Level G



CRS Comprehensive Pre-Post Assessment Level G



Pre-Post Assessment (Placement) Level G



Performance Tasks Level H



Comprehensive Domain Review Level H



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CRS Quik-PiksSM Level H

| LEVEL H: QUIK-PIK #16 | | | | | |
|---|--|--|--|--|--|
| 1. Between which two whole numbers is $\sqrt{69}$ located? | | | | | |
| A 8 and 9 B 7 and 8 C 6 and 7 D 5 and 6 E 4 and 5 | | | | | |
| 2. Find the value of f when $T = 0.05$. Answer: | | | | | |
| 3. Maggy had a \$60 gift certificate to go out to dinner for her birthday. The cost of food and drinks is <i>c</i> , where $c \ge$ \$60. If Maggy uses the gift certificate and leaves a tip of 20% of the cost of food and drinks, what equation can be used to find, <i>T</i> , the total amount she paid for the meal before taxes? Mark all that apply. | | | | | |
| (A) $T = c + 0.20c$ (C) $T = (c - 60)$ (B) $T = (c - 60) + 0.20c$ (D) $T = (c + 60) + 0.20c$ (E) $T = 1.20c - 60$ | | | | | |
| 4. What is the area of the smaller square if a = 4 and b a a a a a a a a a a a a a a a a a a | | | | | |
| 5. The line of best fit graphs the relationship for the weight of a ball and the distance it is thrown. | | | | | |
| According to the line of best fit by how much does the distance decrease for each pound of increase? | | | | | |
| Answer: 0 1 2 3 4 5 6 7 8 9 10 Answer: Weight (in pounds) | | | | | |
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CRS Quik-PiksSM Level H

LEVEL H: QUIK-PIK #25

1. Patrick likes to run from his home to the park. He uses his Smartphone to track the time and distance that he travels during his run. The table shows the data he recorded during his run on the previous day.

| Time (minutes) | Distance (miles) |
|----------------|------------------|
| 2 | 0.369 |
| 4 | 0.619 |
| 6 | 1.019 |
| 8 | 1.319 |
| 10 | 1.724 |
| 12 | 2.088 |
| 14 | 2.585 |

A) Write an algebraic equation to model the data Patrick collected. Explain why you chose your model.

B) Does the data represent a proportional relationship? Explain your reasoning.

C) If Patrick continues at his pace how long will it take him to travel 6 miles? Explain your answer.

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CRS Comprehensive Pre-Post Assessment Level H



Pre-Post Assessment (Placement) Level H



Math Build-UP SM Level F

MATH BUILD-UP #11 Grade 6: ADDING/SUBTRACTING FRACTIONS

Quik-PointsSM: 1) When adding or subtracting fractions make sure the denominators are the same.

2) If a fraction is being added to a whole number, change the whole

number into a fraction. Example: $7 + \frac{2}{5} = \frac{7}{1} + \frac{2}{5}$

| 1.2 | 1) Find the Least Common Denominator (LCD). (See Math Build Up #3) | | | |
|---|---|--|--|--|
| Example: $\frac{1}{6} + \frac{2}{9}$ | 2) Create equivalent fractions with 18 as the denominators. | | | |
| 1×3_3_4_2×2 | 3) Add the new fractions. $3 + \frac{4}{7} = \frac{7}{7}$ | | | |
| $\overline{6\times3}^{-}\overline{18}$ $\overline{18}^{-}\overline{9\times2}$ | 4) Simplify if necessary. 18 18 18 | | | |

Complete the chart below.

| | Expression | Sum or Difference (in simplest form) |
|---------------|------------------------------|---|
| Example | $\frac{1}{5} + \frac{2}{5}$ | $\frac{3}{5}$ |
| 1 | $\frac{1}{3} + \frac{2}{3}$ | |
| 2 | $\frac{1}{2} + \frac{1}{7}$ | |
| 3 | $\frac{1}{3} + \frac{1}{5}$ | |
| 4 | $\frac{1}{5} - \frac{1}{6}$ | |
| 5 | $\frac{2}{7} + \frac{1}{21}$ | |
| 6 | $7 - \frac{1}{2}$ | |
| 7 | $4 + \frac{1}{5}$ | |
| 8 | $7 - \frac{2}{6}$ | |
| 9 | $\frac{6}{15} + \frac{2}{5}$ | |
| 10 | $3\frac{1}{12}+2\frac{1}{9}$ | |
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Math Build-UPSM Level F





Math Build-UPSM Level F



pREview Book



Key Components

EDA's supplemental instructional materials are standards-based and designed to provide information to facilitate teacher planning, confirm student mastery, and prepare students to be successful on high-stakes assessments.

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