## 3rd Grade Module 1 QR Codes



## 3rd Grade Module 2 QR Codes

| Lesson 1 |
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Explore time as a continuous measurement using a stopwatch.

problems
Solve word
involving time intervals within 1 hour by counting backward and forwards using the number line and clock.


Decompose a liter to reason about the size of 1 liter, 100 milliliters, 10 milliliters, and 1 milliliter.


Round two -digit numbers to the nearest ten on the vertical number line.


Estimate sums by rounding and apply to solve measurement word problems.

Lesson 20

Lesson 21


Estimate sums and differences of measurements by rounding, then solve mixed word problems.

## 3rd Grade Module 3 QR Codes



Identify patterns in multiplication and division facts using the multiplication table.


Use the distributive property as a strategy to multiply and divide using units of 6 and 7.


Use the distributive property as a strategy to multiply and divide.


Lesson 21


Solve two-step word problems involving multiplying single-digit factors and multiples of 10 .

Lesson 20
Use place
egies and the associative property $\mathrm{n} \times(\mathrm{m}$
$\times 10)=(\mathrm{n} \times \mathrm{m}) \times 10$ to multiply by multi-
ples of 10 .


## 3rd Grade Module 4 QR Codes



Find areas by decomposing into rectangles or completing composite figures to form rectangles.


## 3rd Grade Module 5 QR Codes

| Lesson 1 <br> Specify and partition a whole into equal parts, identifying and counting unit fractions using concrete models. | Lesson 2 <br> Specify and <br> partition a whole into equal parts, identifying and counting unit fractions by folding fraction strips | Lesson 3 <br> Specify and <br> partition a whole into equal parts, identifying and counting unit fractions by drawing pictoral area models. | Lesson 4 <br> Represent and identify fractional parts of different wholes. |
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| Lesson 5 <br> Partition a whole into equal parts and define the equal parts to identify the unit fraction numerically | Lesson 6 <br> Build non-unit fractions less than one whole from unit fractions. | Lesson 7 <br> Identify and represent shaded and nonshaded parts of one whole as fractions. | Lesson 8 <br> Represent parts of one whole as fractions with number bonds. |
| Lesson 9 <br> Build and write fractions greater than one whole using unit fractions. | Lesson 10 <br> Compare unit fractions by reasoning about their size using fraction strips. | Lesson 11 <br> Compare unit fractions with differentsized models representing the whole. | Lesson 12 <br> Specify the corresponding whole when presented with one equal part. |
| Lesson 13 <br> Identify a shaded fractional part in different ways depending on the designation of the whole. | Lesson 14 <br> Place fractions on a number line with endpoints 0 and 1. | Lesson 15 <br> Place any fraction on a number line with endpoints 0 and 1 |  |
| Lesson 17 <br> Practice <br> placing <br> various fractions on the number line. | Lesson 18 <br> Compare fractions and whole numbers on the number line by reasoning about their distance from 0. |  | Lesson 20 <br> Recognize <br> and show that equivalent fractions have the same size, though not necessarily the same shape. |
|  | Generate simple equivalent fractions by using visual fraction models and the number line. |  | Lesson 24 <br> Express equivalence with different units. |

## 3rd Grade Module 5 QR Codes

| Lesson 25 |
| :--- |
| Express whole number fractions on the |
| number line when the unit interval is 1. |


| Lesson 26 <br> Decom- <br> pose whole number fractions greater than 1 using whole number equivalence with various models. |
| :---: |


| Lesson 27 |
| :---: |
| Explain equivalence by manipulating units and reasoning about their size. |


| Lesson 28 |
| :---: |
|  |
| Compare fractions with the ator pictorially |



## 3rd Grade Module 6 QR Codes



| Lesson 5 |
| :---: |
| Create ruler with 1 -inch, $1 / 2$-inch, and 1/4-inch intervals, and generate measurement data. |






Analyze data to problem solve.

## 3rd Grade Module 7 QR Codes



Solve word problems in varied contexts using a letter to represent the unknown.


Compare and classify other polygons.


Reason about composing and decomposing polygons using tangrams.


Use all four operations to solve problems involving perimeter and unknown measurements.

## Lesson 21



Construct rectangles with a given perimeter using unit squares and determine their areas.


Share and critique peer solution strategies to varied word problems.


Solve word problems to determine perimeter with given side lengths.


Use a line
plot to record the number of rectangles constructed from a given number of unit squares.
Lesson 22

| Use a line |
| :--- |
| record the number of rectangles con- |
| structed in lessons 20 and 21. |



| Lesson 20 |
| :--- |
| gles with a given perimeter using <br> unit squares and determine their |


| Lesson 24 |
| :---: |
| Use rectangles |
| robot with specified perimeter measure- |
| ments, and reason about the different |
| areas that may be produced. |

## 3rd Grade Module 7 QR Codes

| Lesson 25 |
| :---: | :---: |
| Use rectan- <br> a robot with specified perimeter meas- <br> unements, and reason about the different <br> areas that may be produced. |



Solve a variety of word problems involving area and perimeter using all four operations.

| Lesson 33 |
| :---: |
| There is no available video. |
|  |
| Solidify fluency with Grade 3 skills. |



Use rectangles to draw
a robot with specified perimeter measurements, and reason about the different areas that may be produced.

| Lesson 31 |
| :---: |
| There is no available video. |
| Explore and create unconventional <br> representations of one-half. |



| Lesson 34 |
| :---: |
| There is no available video. |
| Create resource booklets to support |
| fluency with Grade 3 skills. |

