Quick Dots
Review Game

Materials:

- number cube
- Quick Dot cards
- lined paper
- score card

Directions:

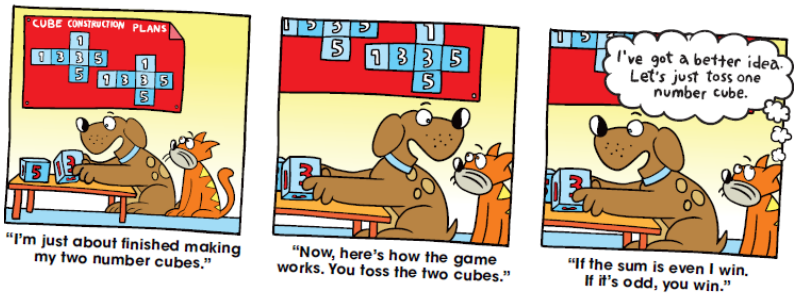
You and your partner will solve as many problems as you can in 25 minutes.

You will roll a number cube to determine which station to go to. At that station, choose a Quick Dots card. (You and your partner will take turns returning your cards the station and taking the next one to your desks. Please make sure you have not had that card yet.)

Then you and your partner will solve the problem on lined paper and record your answer on the score card.

Before you return the card, you will look at the bottom of the Quick Dots card to find out what celebration you and your partner will do.

Who wins? The team that has the highest number of correct solutions during the game!



BIG IDEAS LEARNING®

Quick Dots Review Game

Objectives:
The student will
A. write and simplify expressions using the order of operations
B. add, subtract, multiply, and divide integers, fractions and decimals
C. order numbers from least to greatest
D. use geometry to find the area, and perimeter of solids
E. use geometry to identify the basic shapes in composite solids
F. interpret the information on a bar graph
G. plot ordered pairs in a coordinate plane

Materials:
Each group will need

- student directions
- Quick Dot cards printed, cut, folded and placed at six different stations around the room (arrange the stations according to topic)
- number cubes
- lined paper
- solutions paper

Procedure:

The students will work in pairs to correctly solve as many problems as they can in 25 minutes.

One partner will roll a number cube to determine which station to go to. At that station, he or she will choose a Quick Dots card. The partners will take turns getting the cards.

Then the team will solve the problem on lined paper and record the answer on the Score Card. Finally, the students will do a celebration together. Please review the celebrations with the students before the beginning of the activity. This is meant to be a team building activity for the students, so you can let them be a little silly with this.

The activity is completed when each group has answered at least 15 questions correctly.

This activity should take about 30 – 35 minutes where 25 minutes is spent on the activity and 5 – 10 minutes to correct errors.

Celebrations:

- **High Fives** You will give your partner a high five!
- **High Tens** You will give your partner high tens!

- **The Wave** You and your partner will do three rounds of "the wave"!
- **Round of Applause** You and your partner will clap your hands in a circular motion.
- **Silent Cheer** You and your partner will wave your arms and pretend to cheer but with no sound coming out of your mouth.
- **Wahoo!** You and your partner will yell "Wahoo!"
- **Fist bump** You will use a closed fist and bump the fist of your partner.
- **Yesssssss!** You and your partner will whisper "Yesssssss!"
- **Your own celebration** You and your partner will make up your own celebration to do as a team

Quick Dots Score Card

1A	parenthesis	
2A	28	
3A	$\frac{5}{8}$	
4A	9.91	
5A	7 cm^2	
6A	10,318 athletes	

1B	denominator	
2B	20	
3B	$\frac{7}{12}$	
4B	11.12	
5B	96 $in.^2$	
6B	1704 male athletes	

1C	greatest common factor	
2C	932	
3C	$\frac{31}{6}$	
4C	2.26	
5C	24 ft^2	
6C	(0, 5)	

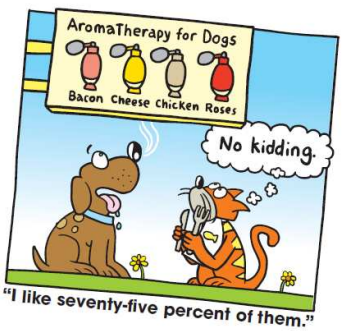
1D	Simplify 2^2	
2D	4498	
3D	$8\frac{2}{5}$	
4D	3.495	
5D	27 m^2	
6D	(3, 4)	

1E	Move 5 units up	
2E	158	
3E	$\frac{19}{7}$	
4E	Thirty-two hundredths	
5E	Triangle, square, semi-circle	
6E	(2, 0)	

1F	Simplify exponents	
2F	51.25	
3F	$6\frac{4}{5}$	
4F	0.375	
5F	Parallelogram, rectangle, triangle	
6F	(4, 6)	

1G	30	
2G	14	
3G	$\frac{7}{20}$	
4G	0.12, 1.02, 1.2	
5G	84 m	
6G	Square	

1H	Decimal point	
2H	20	
3H	$\frac{7}{10}$	
4H	0.65, 1.04, 1.7	
5H	19 in.	
6H	Parallelogram	



Total Points:

Descartes

BIG IDEAS LEARNING®

Quick Dots Score Card

1A	
2A	
3A	
4A	
5A	
6A	

1B	
2B	
3B	
4B	
5B	
6B	

1C	
2C	
3C	
4C	
5C	
6C	

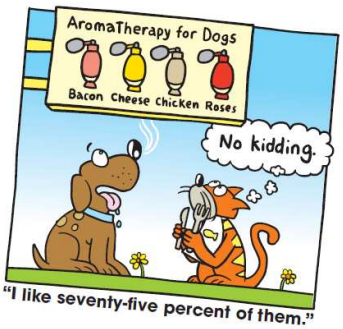
1D	
2D	
3D	
4D	
5D	
6D	

1E	
2E	
3E	
4E	
5E	
6E	

1F	
2F	
3F	
4F	
5F	
6F	

1G	
2G	
3G	
4G	
5G	
6G	

1H	
2H	
3H	
4H	
5H	
6H	



Total Points:

BIG IDEAS LEARNING®

Key Ideas 1A

Question:

What is the **first** step when simplifying an expression using the **order of operations**?

Celebrate with
High Fives!

Quick Dots Review Game
Green Book
Big Ideas Learning

Integers 2A

Question:

Simplify the expression

$$4^2 + 3(6 - 2).$$

Celebrate with
The Wave!

Quick Dots Review Game
Green Book
Big Ideas Learning

Fractions 3A

Question:

Find $\frac{1}{4} + \frac{3}{8}$.

Celebrate with
High Tens!

Quick Dots Review Game
Green Book
Big Ideas Learning

Decimals 4A

Question:

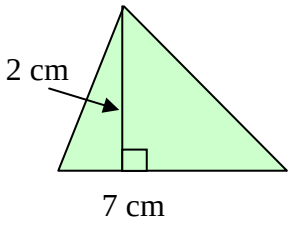
Find $2.03 + 7.88$.

Celebrate with a Round of Applause!

Geometry 5A

Question:

Find the area of the triangle.



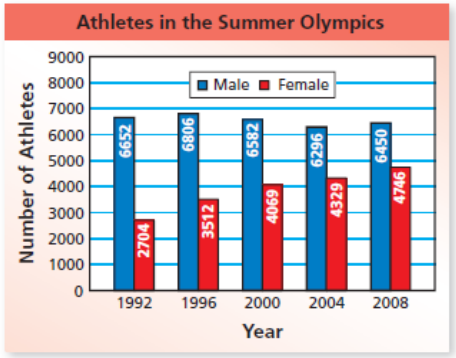
$A = bh \div 2$

Celebrate with a Silent Cheer!

Graphs 6A

Question:

How many athletes participated in the 1996 Summer Olympics?



Celebrate with a Wahoo!

Key Ideas 1B

Question:

When adding and subtracting fractions, use a common _____.

Celebrate with
The Wave!

Quick Dots Review Game
Green Book
Big Ideas Learning

Integers 2B

Question:

Simplify the expression

$$(2 + 3)^2 - 10 \div 2.$$

Celebrate with
High Fives!

Quick Dots Review Game
Green Book
Big Ideas Learning

Fractions 3B

Question:

Find $\frac{3}{4} - \frac{1}{6}$.

Celebrate with a
Silent cheer!

Quick Dots Review Game
Green Book
Big Ideas Learning

Decimals 4B

Question:

Find $6.8 + 4.32$.

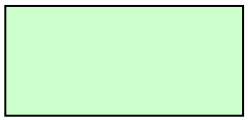
Celebrate with a Silent Cheer!

Geometry 5B

Question:

Find the area of the rectangle.

8 in.



12 in.

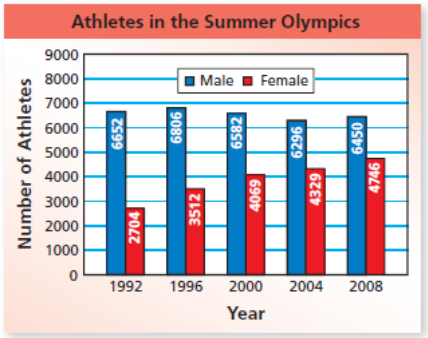
$A = bh$

Celebrate with a Fist Bump!

Graphs 6B

Question:

How many more male athletes than female athletes participated in the 2008 Summer Olympics?

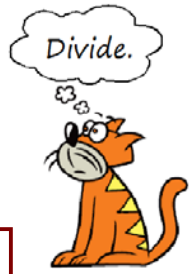


Celebrate with a Round of Applause!

Key Ideas 1C

Question:

When simplifying a fraction, divide the numerator and the denominator by the GCF (_____ _____ _____).



Celebrate with **High Tens!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Integers 2C

Question:

Find 233×4.

Celebrate with a **Fist Bump!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Fractions 3C

Question:

Write $5\frac{1}{6}$ as an improper fraction.

Celebrate with a **Yesssss!**

Quick Dots Review Game
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Big Ideas Learning

Decimals 4C

Question:

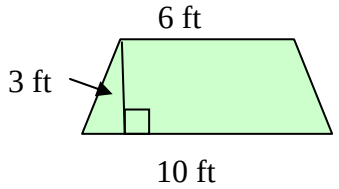
Find $3.31 - 1.05$.

Celebrate with
The Wave!

Geometry 5C

Question:

Find the area of the trapezoid.



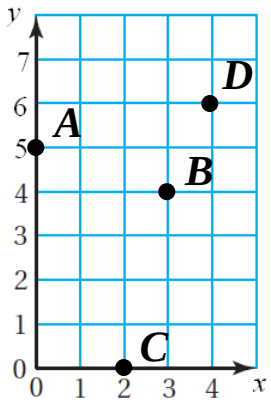
$A = h(b + B) \div 2$

Celebrate with a
Yesssss!

Graphs 6C

Question:

Write an ordered pair corresponding to Point *A*.



Celebrate with a
Silent Cheer!

Key Ideas 1D

Question:

What is the first step when simplifying $7 \bullet 2 - 6 \div 3 + 2^2$?

Celebrate with a **Round of Applause!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Integers 2D

Question:

Find 173×26.

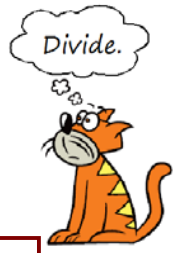
Celebrate with a **Wahoo!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Fractions 3D

Question:

Write $\frac{42}{5}$ as a mixed number.



Celebrate with **Your own Celebration!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Decimals 4D

Question:

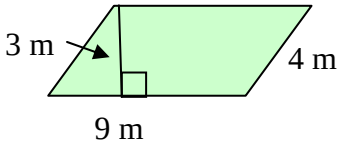
Find $4.5 - 1.005$.

Celebrate with
High Tens!

Geometry 5D

Question:

Find the area of the parallelogram.



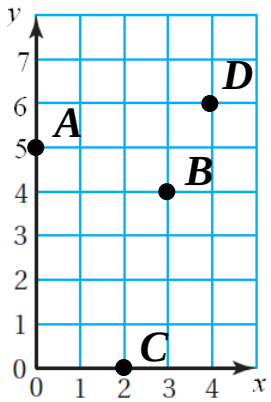
$A = bh$

Celebrate with a
Wahoo!

Graphs 6D

Question:

Write an ordered pair corresponding to Point *B*.



Celebrate with
The Wave!

Key Ideas 1E

Question:

When plotting the ordered pair (4, 5), what does the **5** tell you to do?

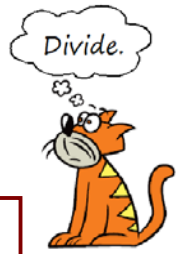
Celebrate with a **Silent Cheer!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Integers 2E

Question:

Find $632 \div 4$.



Celebrate with **Your own Celebration!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Fractions 3E

Question:

Write $2\frac{5}{7}$ as an improper fraction.

Celebrate with **High Fives!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Decimals 4E

Question:

Write 0.32 in words.

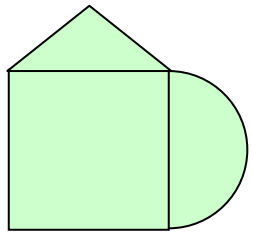
Celebrate with
High Fives!

Quick Dots Review Game
Green Book
Big Ideas Learning

Geometry 5E

Question:

Identify the basic shapes in the figure.



Celebrate with a
Wahoo!

Quick Dots Review Game
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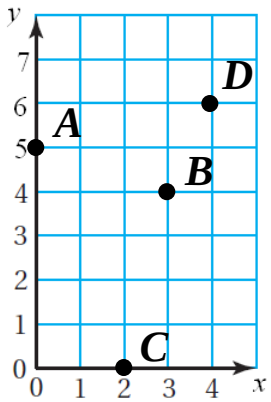
Graphs 6E

Question:

Write an ordered pair corresponding to Point *C*.



Celebrate with
Your own Celebration!

Quick Dots Review Game
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Big Ideas Learning

Key Ideas 1F

Question:

What is the first step when simplifying $36 \div 3 + 4^2$?

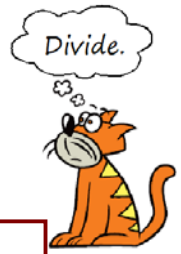
Celebrate with a **Wahoo!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Integers 2F

Question:

Find $410 \div 8$.



Celebrate with a **Yesssssss!**

Quick Dots Review Game
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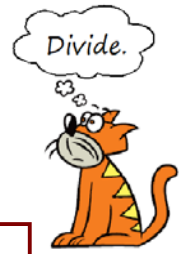
Big Ideas Learning

Fractions 3F

Question:

Write $\frac{34}{5}$ as a mixed number.



Celebrate with a **Fist Bump!**

Quick Dots Review Game
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Big Ideas Learning

Decimals 4F

Question:

Write *three-hundred seventy-five thousandths* as a decimal.

Celebrate with
Your own Celebration!

Geometry 5F

Question:

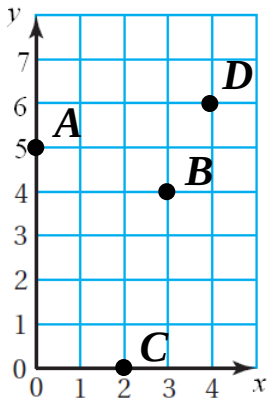
Identify the basic shapes in the figure.

Celebrate with
High Fives!

Graphs 6F

Question:

Write an ordered pair corresponding to Point *D*.



Celebrate with a
Fist Bump!

Key Ideas 1G

Question:

What is the LCD (least common denominator) of $\frac{3}{10}$ and $\frac{7}{15}$?

Celebrate with
Your own Celebration!

Quick Dots Review Game
Green Book
Big Ideas Learning

Integers 2G

Question:

Simplify $2 \cdot 3 + 4 \cdot 2$.

Celebrate with a
Round of Applause!

Quick Dots Review Game
Green Book
Big Ideas Learning

Fractions 3G

Question:

Simplify $\frac{35}{100}$.

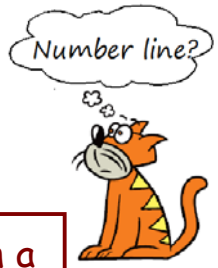
Celebrate with a
Wahoo!

Quick Dots Review Game
Green Book
Big Ideas Learning

Decimals 4G

Question:

Order 1.2, 0.12, and 1.02 from least to greatest.



Celebrate with a **Fist Bump!**

Quick Dots Review Game
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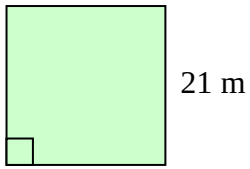
Geometry 5G

Question:

Find the perimeter of the square.



$P = 4s$

Celebrate with **High Tens!**

Quick Dots Review Game
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Big Ideas Learning

Graphs 6G

Question:

Plot the points (0, 0), (0, 4), (4, 4), and (4, 0) in a coordinate plane. The points represent the vertices of which figure?

Celebrate with **High Fives!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Key Ideas 1H

Question:

When adding and subtracting decimals, align the numbers at their

_____ _____.

Celebrate with a **Fist Bump!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Integers 2H

Question:

Simplify $3 \cdot 2^2 + 4(8 - 6)$.

Celebrate with a **Silent Cheer!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Fractions 3H

Question:

Find the sum of

$\frac{3}{10}$ and $\frac{2}{5}$.

Celebrate with a **Round of Applause!**

Quick Dots Review Game
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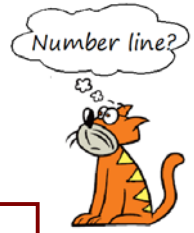
Decimals 4H

Question:

Order 0.65, 1.7, and 1.04 from least to greatest.



Celebrate with a **Yesssssss!**

Quick Dots Review Game
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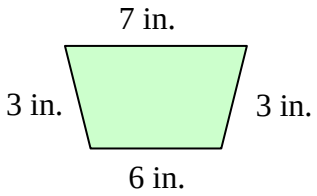
Geometry 5H

Question:

Find the perimeter of the trapezoid.



Celebrate with **The Wave!**

Quick Dots Review Game
Green Book
Big Ideas Learning

Graphs 6H

Question:

Plot the points (0, 0), (2, 3), (5, 3), and (3, 0) in a coordinate plane. The points represent the vertices of which figure?

Celebrate with **The Wave!**

Quick Dots Review Game
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