TORO'S MATH DRILLS

PRESENTED BY **ConocoPhillips**

INSTANT REPLAY

ACTIVITY WORKSHEETS

TORO's Math Drills presented by ConocoPhillips was developed in collaboration with our education partner, United Way of Greater Houston.

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TORO's Math Drills is an educational video series designed to challenge 3rd and 4th grade students. Covering subjects like fractions, multiplication, division, place value and money, TORO's Math Drills will help your students tackle math through fun and exciting football examples.

OUTLINE

VOCABULARY/CONCEPT RECAP

TEXANS/FOOTBALL EXAMPLE

OTHER/CLASSROOM EXAMPLE

Questions? Please email TOROsMathDrills@HoustonTexans.com

PLACE VALUE

What is Place Value?

_____

_____

_____

If the Houston Texans quarterback throws the football for **4,823** passing yards during the football season, what is the place value of each digit?

4: _____

8: _____

2: _____

3: _____

Now let's break it down 4,823 in expanded notation.

Great job! Can you think of another number and determine the place value of each digit?

☐ _____   ☐ _____

☐ _____   ☐ _____

FRACTIONS

What is a Fraction?

_____

_____

_____

The top number of a fraction that tells us how many parts of whole is called the
_____ . The bottom number of a fraction that tells us how many items
make up the whole is called the _____ .

It's gameday! The Houston Texans players are getting ready for the game. There's
been a mix up! 2 players are wearing their Deep Steel Blue jerseys and 3 players
are wearing their Battle Red jerseys. What is the fraction for the players wearing
the Battle Red jersey?

$$\frac{\boxed{}}{\boxed{}}$$

Great job! Now look around your classroom and see what other items you can find that
has many parts of a whole. What do you see?

_____

_____

_____

What is Money?

_____

_____

You're going to a Houston Texans game! You have $20.00. What can you buy from the concession stand?

CONCESSION STAND $$ CHART	
Soft Drink	$5.00
Bottled Water	$2.00
Popcorn	$5.25
Hot Dogs	$5.75

YOUR ORDER

Cost	Item
$ _____	_____
$ _____	_____
$ _____	_____
$ _____	_____

Total $ _____

Did you get any change back? _____

If yes, how much? _____

Great job! Now think about what other items you could buy with $20.00.
Write your wish list below.

_____

_____

3-DIGIT MULTIPLICATION AND DIVISION

What is multiplication? _____

What sign do you use for multiplication? _____

What is division? _____

What sign do you use for division? _____

The Houston Texans football game lasts for 4 quarters – 1st quarter, 2nd quarter, 3rd quarter and 4th quarter. The Houston Texans Cheerleaders did 3 cheers every quarter. How many cheers did the Houston Texans cheerleaders do for the whole game?

_____ X _____ = _____ cheers

If during one game the cheerleaders did 16 cheers in total? How many cheers did they do each quarter?

_____ ÷ _____ = _____ cheers

Great job! Now, think about how many minutes you spend watching TV or playing on your tablet every day? How many times does that make every week?
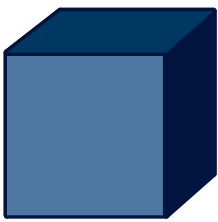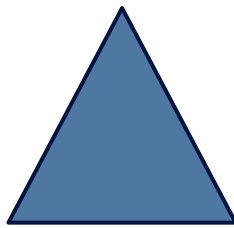
_____ X _____ days = _____

2D AND 3D SHAPES

What does the D stand for in 2D and 3D? _____
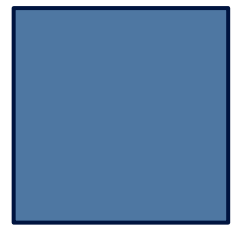
Things that are flat are _____

Things you see in real life are _____

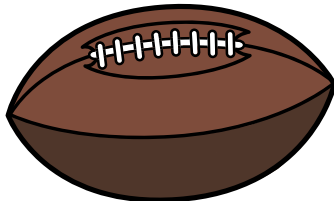Name these 2D and 3D shapes?

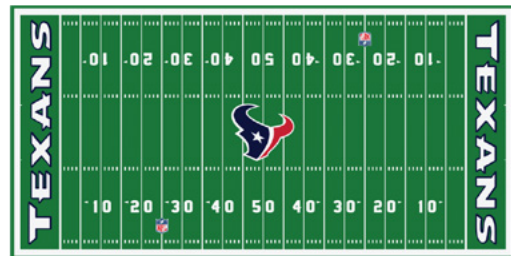_____   _____   _____   _____

Is a football a 2D or 3D shape?
(circle one)

Is the Houston Texans field a
2D or 3D shape? (circle one)

Great job! Now, look around your classroom. What other 2D or 3D shapes do you see?
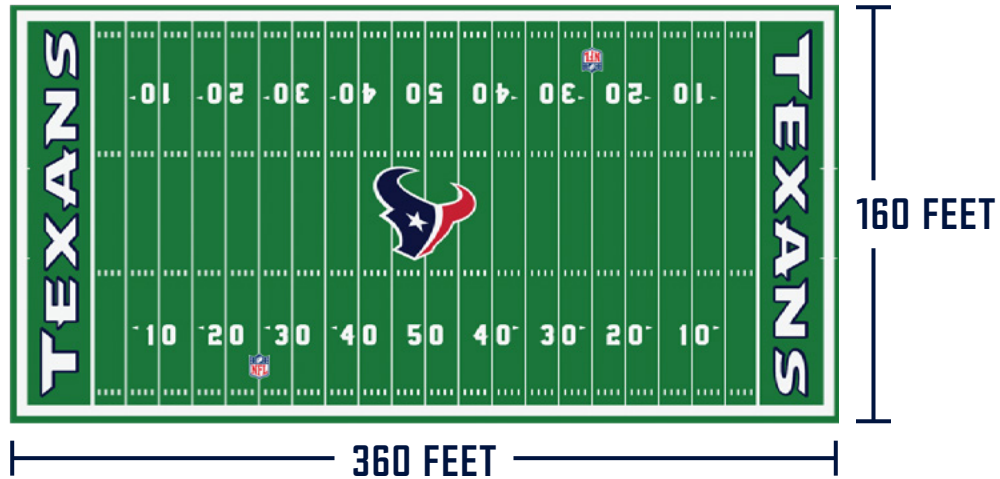
_____ Is it 2D or 3D? (circle one)

_____ Is it 2D or 3D? (circle one)

_____ Is it 2D or 3D? (circle one)

PERIMETER AND AREA

The distance around a flat shape is? _____

The size of the surface is? _____

The total size of the Houston Texans football field is 360 feet in length and 160 feet in width. How do you calculate the perimeter of the field?

_____ + _____ + _____ + _____ = _____ feet

How do you calculate the area of the field?

_____ X _____ = 57,600 square feet

*Hint: The formula for area is length x width.

Great job! Now can you calculate perimeter of your notebook, desk or table?

I'm calculating the perimeter of my: _____

_____ + _____ + _____ + _____ = _____ feet