



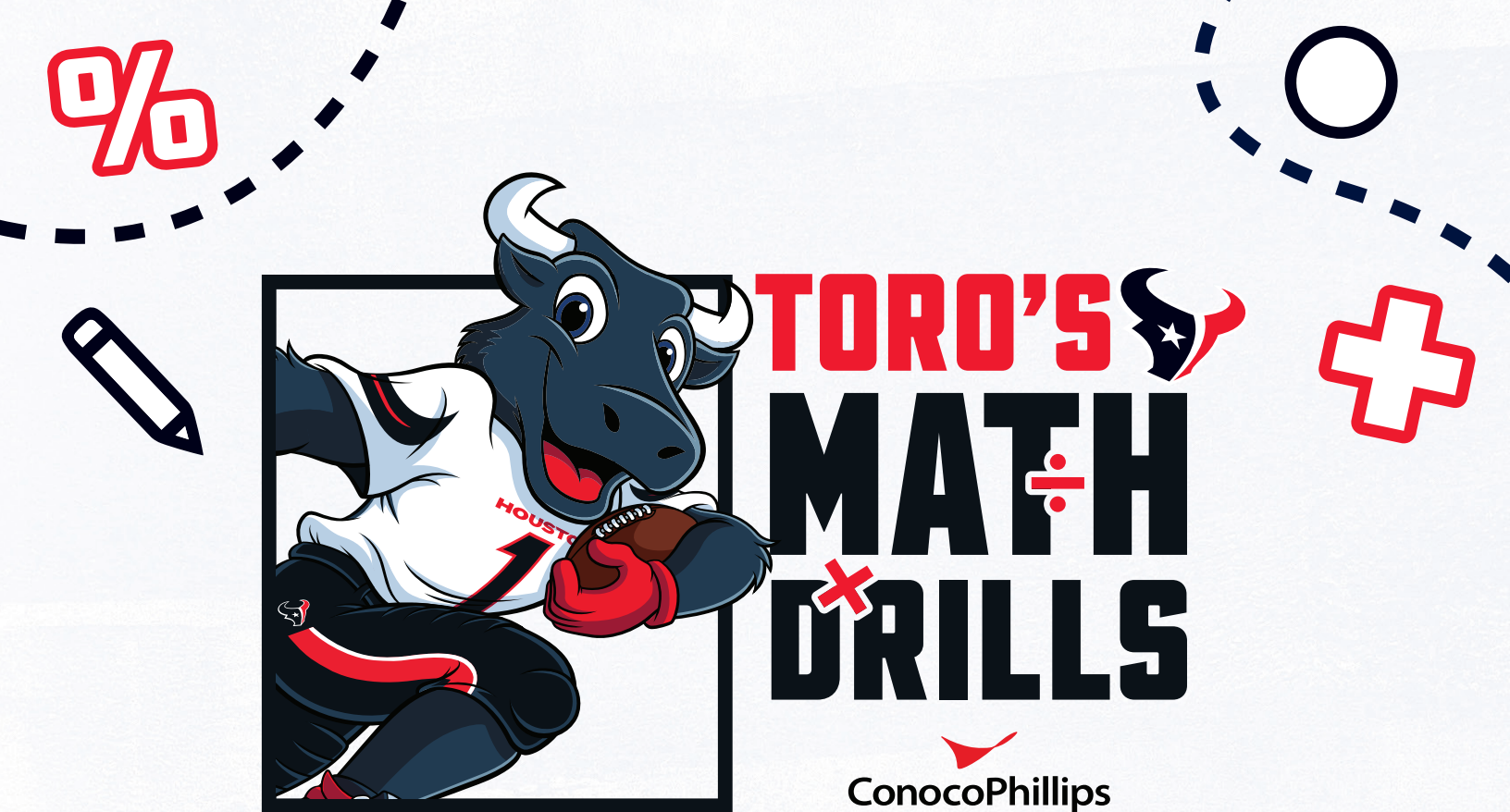
# TORO'S MATH DRILLS

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.



**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](mailto:TOROsMathDrills@HoustonTexans.com)**

# PLACE VALUE

What is Place Value?

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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?**

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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?

**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?**

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# MONEY

What is Money?

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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.

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# 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 = \_\_\_\_\_

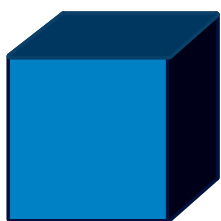
# 2D & 3D SHAPES

What does the D stand for in 2D and 3D? \_\_\_\_\_

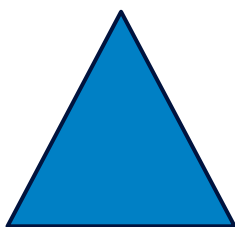
Things that are flat are \_\_\_\_\_

Things you see in real life are \_\_\_\_\_

Name these 2D and 3D shapes?



\_\_\_\_\_



\_\_\_\_\_



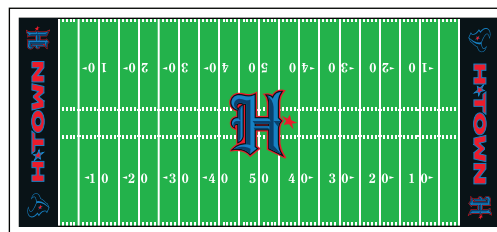
\_\_\_\_\_



\_\_\_\_\_



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)

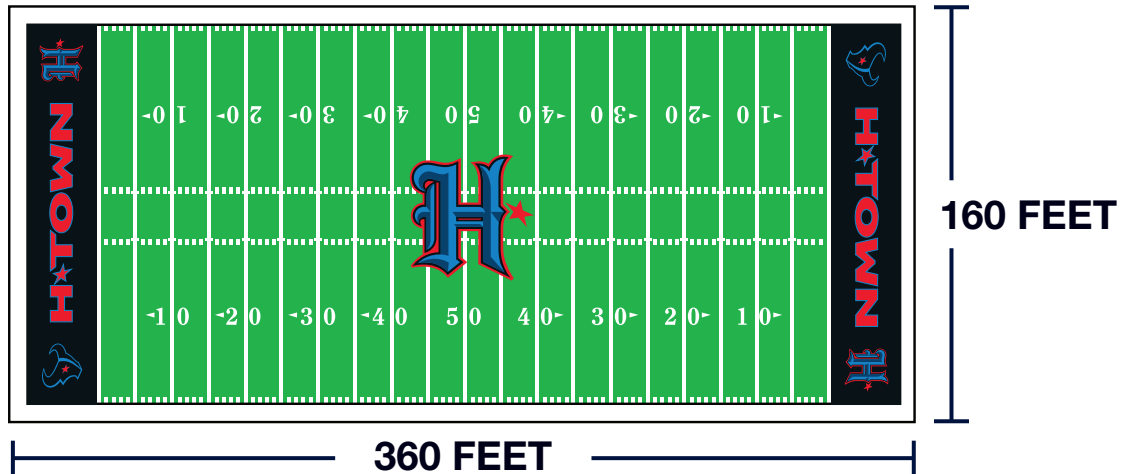
\_\_\_\_\_ Is it 2D or 3D? (circle one)

\_\_\_\_\_ Is it 2D or 3D? (circle one)

# PERIMETER & 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