Integrated Math day 47

Q4
1. Define perimeter
2. Define Area
3. What is the formula for the area of a parallelogram?
4. What is the formula for the area of a triangle?
5. What is the formula for the area of a trapezoid?
6. Find the area and perimeter

VVWA: Circles

Discover the formula for circumference of a circle:

Read sir cumference and the dragon of pi to pg. 12 the riddle

The circles measure
Measure the middle and circle around, divide so a number can be found. Every circle great, and small- the number is the same for all. It's also the dose, so be clever, Or a dragon he will stay...forever.

Ask students what they think we need to do to solve this riddle.

Measure several round objects as a class.
Have students fill out the record sheet.
From there develop a formula for the circumference of a circle.

If C/D = pi then C = piD

Math translations
C = pi d

Read the rest of story

Worksheet, find circumference

The circles measure

Measure the middle and circle around, divide so a number can be found. Every circle great, and small- the number is the same for all. It's also the dose, so be clever, Or a dragon he will stay…forever.

Circles

Circumference (C) (distance around)	Diameter (d) (distance across)	Circumference ÷ diameter $(\dfrac{C}{d})$
C =	d =	$\dfrac{C}{d} =$
C =	d =	$\dfrac{C}{d} =$
C =	d =	$\dfrac{C}{d} =$
C =	d =	$\dfrac{C}{d} =$
C =	d =	$\dfrac{C}{d} =$

1. **What does $\dfrac{C}{d}$ equal?**

$\dfrac{C}{d} =$ _____

$\dfrac{C}{d}$ is also called a _____, which is a comparison of two numbers.

So _____ is the ratio of the _____ to the _____.

2. **How can we use this ratio to find the circumference C?**

If $\dfrac{C}{d} =$ _____, then C = _____ by _____(what math operation did you use?)

3. **What is the formula for the circumference C of a circle?**

C = _____ or C = _____ since

diameter is _____