TOOL // Baseline Assessment 7 Minute Quick Write

What is the tool?
Diagnostic Assessment 7 minute Quick Write

What is it used for?
This process allows the teacher to collect assessment for learning prior to beginning a unit in mathematics.

How do you use it?
At the beginning of the unit the students are given newsprint and they have 7 min to write everything you know about i.e. rate and ratio, they can use pictures, numbers and words. The students, working in pairs, can use any resource in the room to add to their information about rate and ratio. Students then present their information i.e. similarity about rate and ratio. The teacher then groups students with appropriate levels of tasks reflective of their knowledge.

How do you adapt it to other subjects and topics?
This could be adapted to any subject area.

Rate

A rate is a ratio that compares two quantities expressed in different kinds of units.

eg. 3 pens cost $1.19. Pens are one kind of unit, money ($1.19) is a nother.

Ratio

A ratio is a comparison of two quantities a fraction or division.

eg. There are 2 people riding on an elephant. The ratio of people to elephants is 2:1.

notice that a ratio can be written 2 ways: $\frac{A}{B}$ or A:B. The first term of the ratio is A and the second term is B.

Ratio: A comparison of two or more quantities with the same unit, is a special Ratio

- ratio is like a regular fraction

ex 3 boys
10 girls = 3:10

- you can use a ratio to compare one part to another
- part of the same thing

Lea	Andrew
dogs: 2	dogs: 2
cats: 3	fish: 0
hamster: 4	hamster: 4
Lea: 10	Andrew: 6

10:6

- 5 bottles of soda
  3 bottles of water = 5:3

Compared two numbers

Nathan.S Michael

Julio & Aletia

Ratio: a comparison of 2 or more quantities with the same unit or; 42:27 or 27:42

Rate: a comparison of 2 or more quantities measured in different units

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Ratio = A ratio is a comparison of two values using either a colon or fraction
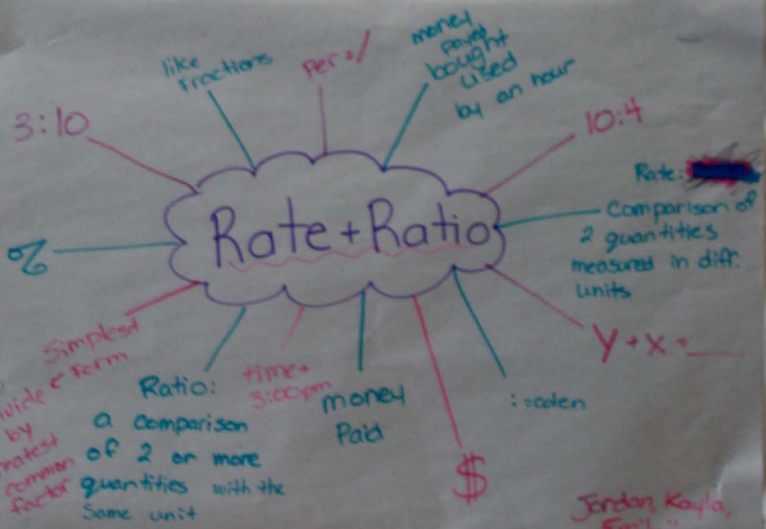
Eg 3:5 , $\frac{3}{5}$ or $\frac{2}{1}$: 2:1 .

Rate: A rate is a comparison between two values, using different units

Eg 75km/hour , 3 Pens cost $1.19 & Items - Pens are one kind of unit and money which is $1.19 would be another type of unit.

1,000m/hour

(0,0) (1,0)

2

(10,1) (11,3)

(15,2) (14,3)

2

(15,2) (16,1)

10 11 12 13 14 15 16

(14,-3) (11,-3)

2

2

(16,-3) (11,-3)

2

(10,-6) (11,-6)

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like fractions   per /   money bought used by an hour

3:10   10:4

Rate: Comparison of 2 quantities measured in diff. units

%

Simplest divide e form by greates common factor

Ratio: a comparison of 2 or more quantities with the same unit

time→ 3:00pm   money Paid

: :colon

Y ÷ x = ___

$

Rate + Ratio

Jordan Kayla Emilia

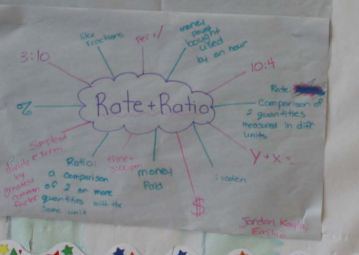## Rate

A rate is a ratio that couples two quantities expressed in different kinds of units

Eg 3 pens cost $1.19 Pens are one kind of unit, money ($1.19) is another

Ratio

A ratio is a comparison of two quantities a fraction or divisions

Eg There are 2 people riding on an elephant The ratio of people to elephants is 2:1

Notice that a ratio can be written with $\frac{A}{B}$ or A:B The first term of the ratio is A and the second term is B.

Ratio: A comparison of two or more quantities with the same units, is a special Ratio
- ratio is like a regular fraction

ex 3 boys
10 girls = 3:10
- you can use a ratio to compare one part to another
- parts of the same thing

- 5 bottles of cola
3 bottles of water = 5:3

Compared two ratios

Nathan S Michael

Julio & Aletia

Ratio: a comparison of 2 or more quantities with the same unit eg 42:27 or 27:42

Rate: a comparison of 2 or more quantities measured in different units

Ratio: A ratio is a comparison of two values using either a colon or fraction
Eg 3:5, $\frac{3}{5}$ or 2, 2:1

Rate: A rate is a comparison between two values, using different units
Eg 75km/hour, 3 Pens cost $1.19 ¢ Items - Pens are one kind of unit and money which is $1.19 would be another type of 1000m/hour unit

3:10

Rate + Ratio

10:4

Rate/Ratio — Jarett C.

Rate → the amount of something per something etc (e.g → 25km/h, 30pushups/min slash = per the amount of something something happens per unit

Ratio → the comparison of two numbers with the same unit (e.g → 2 boys 1 girl 2:1 Colemate

2 Blue 3red 3:2

Malik, Shaq, Nick

Rate: A comparison of two quantities measured in different units.

Ratio: A comparison of two or more quantities with the same unit.

Rate and Ratios

Rate is a Ratio that compares 2 amounts in the different units.

4 crayons cost 99¢

Rate & Ratio

Ratio- Comparing at least 2 quantities.
example: 6:5

Rate: Relative size of two different units of measurement

2 sof bounce

Rate & Ratio

Ratio: is a comparison fraction ex: 3:5 → $\frac{3}{5}$ two number are separated by a colon, same unit

Rate an amount per given time or amount which is like making it a constant ex 2¢/day 2¢ per day OR 2¢ everyday two things, different units

Rate & Ratio Comparing values

Rate
think mortgage, loans, finance, decent rate, speed and stuff like that

3:1 Ratio
three to one
3 boys to 1 girl in the class

eg. 3%/year km/1000ft

10:1
10 Chelsea fans to 1 stupid Barca fan

/=per

"colon represents to"
it a comparison - fraction

Prashanth
Vires