SLE: 3a) A life-long learner who: meets or exceeds curriculum standards \mathcal{LO} . I will solve ratios.

Ratios

Write the ratio in simplest form.

56 naughty children: 14 nice children

4 naughty: I nice

RED Ch.5 Review

SLE: 3a) A life-long learner who: meets or exceeds curriculum standards *L.O. I will solve ratios.*

Rates

Rates compare different units of measurement.

The unit rate is simplified to have a denominator of 1.

Reindeer power: 250miles in 10 min.

SDE: 3a) A life-long learner who: meets or exceeds curriculum standards L.O. I will solve ratios.

Rates

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RED Ch. 5 Review

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Proportions

Proportions are two ratios set equal to each other

Do the ratios form a proportion?

$$\frac{12}{22}, \frac{18}{33}$$

$$\frac{12}{33}, \frac{18}{33}$$

$$\frac{12}{33}, \frac{18}{176}$$

$$\frac{12}{33}, \frac{18}{176}$$

$$\frac{12}{33}, \frac{18}{176}$$

$$\frac{13}{396}, \frac{17}{396}$$
Yes

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Proportions

Are x and y in a proportional relationship?

х	1	3	6	8
У	4	12	24	32

$$\frac{y}{x} + \frac{4}{1} = 4$$

$$\frac{24}{6} = 4$$

$$\frac{32}{8} = 4$$

RED Ch.5 Review

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Proportions

Write a proportion from the table

х	1	3	6	8
У	4	12	24	32

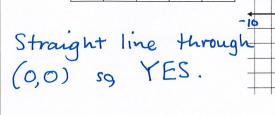
$$\frac{1}{4} = \frac{3}{12}$$
 (DO NOT SOLVE)

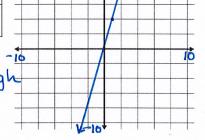
SLE: 3a) A life-long learner who: meets or exceeds curriculum standards \mathcal{LO} . A will solve ratios.

Proportions

Graph the table. Is it proportional?

X	1	3	6	8
У	4	12	24	32





RED Ch.5 Review

SLE: 3a) A life-long learner who: meets or exceeds curriculum standards \mathcal{LO} . I will solve ratios.

Solve Proportions

$$\frac{7.2}{x}$$

$$\frac{7.2}{x} = \frac{5}{6}$$

$$\frac{7.2(6)}{5} = \frac{7.2}{43.2}$$

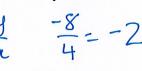
SLE: 3a) A life-long learner who: meets or exceeds curriculum standards L.O. A will solve ratios.

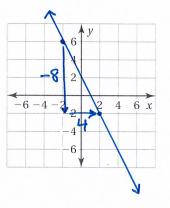
Slope

Graph the line that passes through

(-2, 6) and (2, -2)

What is the slope?





RED Ch. 5 Review

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Direct Variation

Does x and y show direct variation?

EQUATION: $y = k \propto (k \text{ is a number but not zero})$



Straight line through
(0,0)