1 Simplifying Fractions

Siimplifying Fractions means re writing the fraction using the smallest top and bottom nummbers that we can, without changing the value of the fraction

1.1 excercise

$$\text{simplyfi } 6 - 2 \div 7 + 1$$

write as fraction

$$6 - \frac{2}{7} + 1$$

claculate parts together

$$7 - \frac{2}{7}$$

bring on the same denominator

$$\frac{7}{1} - \frac{2}{7} = \frac{49}{7} - \frac{2}{7} = \frac{47}{7}$$

1.2 excercise

$$\text{Simplify } 2 \cdot 7 - 7 + 4$$

calculate

$$14 - 7 + 4 = 7 + 4 = 11$$

1.3 excercise

Question: what is the value of

$$1 \div 5 + 5 \cdot 5$$

write as fraction

$$\frac{1}{5} + 5 \cdot 5$$

evaluate multiplication

$$\frac{1}{5} + 25$$

bring on one determinator

$$\frac{1}{5} + \frac{125}{5} = \frac{126}{5}$$

1.4 Simplify $3 \div 5 + 9 \cdot 2$

write as fraction

$$\frac{3}{5} + 9 \cdot 2$$

evaluate $9 \cdot 2$

$$\frac{3}{5} + 18$$

bring on the same denominator, and evaluate result

$$\frac{3}{5} + \frac{90}{5} = \frac{93}{5}$$

1.5 What is the value of $4 \div 11 \cdot 7 + 8 + 10$

write as fraction

$$\frac{4}{11} \cdot 7 + 8 + 10$$

$$\frac{7 \cdot 4}{11} + 18 = \frac{28}{11} + 8 + 10$$

bring on the same denominator

$$\frac{28}{11} + \frac{88}{11} + \frac{110}{11} = \frac{226}{11}$$