Curriculum Outcome

N1: Demonstrate an understanding of rational numbers by: comparing and ordering rational numbers; solving problems that involve arithmetic operations on rational numbers.

Student Friendly:
“BEDMAS with fractions and decimals"

Do we need a warm-up?

$10 \times 3 - 6.5 \div 10 - 1.3$

$8.8 - 3.4 + (5.96 - 5)^2$

$1\frac{5}{6} - \left(\frac{2}{3} \div \frac{5}{3}\right)^2$

$\left(2\frac{2}{5} + 3\frac{1}{2} \times 3\frac{2}{3}\right) \div 2\frac{1}{2}$

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$$10 \times 3 - 6.5 \div 10 - 1.3$$

$$30 - 6.5 \div 10 - 1.3$$

$$30 - 0.65 - 1.3$$

$$= 28.05$$

$$8.8 - 3.4 + (5.96 - 5)^2$$

$8.8 - 3.4 + (0.96)^2$

$8.8 - 3.4 + (0.9216)$

$= 6.3216$

$$1\frac{5}{6} - \left(\frac{2}{3} \div \frac{5}{3}\right)^2$$

$$\frac{11}{6} - \left[\frac{2}{3} \times \frac{3}{5}\right]^2$$

$$\frac{11}{6} - \left[\frac{2}{1} \times \frac{1}{5}\right]^2$$

$$\frac{11}{6} - \left[\frac{2}{5}\right]^2$$

$$\frac{11}{6} - \frac{4}{25}$$

x25 x6

$$\frac{275}{150} - \frac{24}{150}$$

$$= \frac{251}{150}$$

$$1\ \frac{101}{150}$$

$$\left(2\frac{2}{5}+3\frac{1}{2}\times 3\frac{2}{3}\right)\div 2\frac{1}{2}$$

$$\left(\frac{12}{5}+\frac{7}{2}\times\frac{11}{3}\right)\div\frac{5}{2}$$

$$\left(\frac{12}{5}+\frac{77}{6}\right)\div\frac{5}{2}$$

$$\left[\frac{72}{30}+\frac{385}{30}\right]\div\frac{5}{2}$$

$$\left[\frac{457}{15\cancel{30}}\right]\times\frac{1}{\cancel{2}\,5}$$

$$\frac{457}{75}$$

$$=6\frac{7}{75}$$

$$\frac{(3.2 + 4.5)^2 - (-2.8 - 5.3)}{[(1.5) \times 3.2] + [4.5 \div (-2.3)]}$$

4.

$$\frac{\left(-\frac{1}{2}\right)^2-\left(-\frac{2}{3}\right)}{\left[\frac{1}{3}+\left(-\frac{3}{12}\right)\right]}$$

Class / Homework

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2
3(c,d)
4
5 (a,c)
6(a)
7(a,b,c)
8(a,d)
10(b,c)
14 (b, d)
16ac
19bc
21a
23a,c,d

Pg141

13 cd