

Station A

Evaluate. Show all steps.

1. $-(-7) - (-2)^0$

2. $-3(2 - 4)^2 + 5(-2)$

3.
$$\frac{6 - 2(4 - 7)}{3 - 1(4 - 2(-1))}$$

4.
$$\frac{2(-1 - 3) - 2^2 \times 6}{[18 - (-4) \div 2] \div (-5)}$$

Station B

1. Circle the bigger fraction.

a) $\frac{3}{5}$ or $\frac{3}{8}$

b) $\frac{7}{5}$ or $\frac{7}{4}$

c) $\frac{-2}{5}$ or $\frac{-2}{7}$

d) $\frac{-5}{11}$ or $\frac{-7}{11}$

2. Order these sets of fractions from least to greatest by using equivalent fractions.

a. $\frac{3}{4}$, $\frac{1}{2}$, $\frac{4}{5}$, $\frac{3}{10}$

b. $\frac{-5}{6}$, $\frac{-2}{3}$, $\frac{-3}{4}$, $\frac{-1}{2}$

Station C

1. Write each number as a reduced fraction

a) 0.85

b) -0.435

c) 3.7

d) $3.\overline{87}$

e) $-2.\overline{4}$

f) $0.\overline{674}$

2. Complete the table.

Percent	Decimal	Fraction
45%		
	0.28	
		$\frac{3}{4}$
3%		
	1.3	
		$\frac{5}{8}$

Station D

Evaluate.

1. $\left(\frac{-2}{5}\right)^2 - \frac{1}{5}$

2. $\frac{-4}{7} \div \left(\frac{-12}{7}\right) - \left(\frac{-1}{3}\right)$

3. $4\frac{1}{3} - \left(2\frac{3}{4} - 5\frac{1}{2}\right)$

4. $3\frac{1}{2} - \left(2\frac{5}{6} \div 1\frac{3}{4}\right)$

Station E

1. Evaluate

a) 4^{-2}

b) $-(-3)^0$

c) -4^2

d) $(-3)^{-2}$

e) $(-5)^2$

f) $\left(\frac{-3}{2}\right)^3$

2. Write as a single power.

a) $(4^2)^{-3}$

b) $(7^3)(7^5)$

c) $\frac{5^8}{5^{-3}}$

d) $\frac{(3^3)^4}{(3^2)(3^{-3})}$

Station F

1. Write in scientific notation.

a) 3 450 000 000 000

b) 0.000 000 000 000 000 000 000 000 12

c) 456

d) 0.34

e) 0.45×10^{-5}

f) 543×10^{14}

2. Write in expanded form.

a) -5.4×10^{-8}

b) 4.2×10^{-3}

c) -1.3576×10^5

d) 9.3×10^4