

①

Insert inclusion symbols to make true

$$16 + 4 \div 2^2 - 3 = 17$$

②

Insert inclusion symbols to make true

$$16 + 4 \div 2^2 - 3 = 97$$

3

Compute.

$$4 - \frac{9}{5} - 3\frac{6}{7} + 14$$

④

Compute.

$$4\frac{4}{5} - 3\frac{6}{7}$$

5

Compute.

$$-\frac{5}{12} \cdot \left( -1\frac{2}{3} \div 1\frac{1}{6} \right)^2$$

6

Simplify.

$$4\left\{3\left(10 + \left(4^2 \div 2\right)^2\right)\right\} - 22^2$$

7

Simplify.

$$3(5 - 9 \div 9)^3 - 2(8 \div 2(4)^2)$$

8

Compute.

$$\frac{5}{9} \cdot \frac{45}{24} \cdot -4 \cdot 2 \frac{1}{9} \cdot \frac{18}{35} \cdot -12$$



9

Find the first five terms of a sequence if there is a constant third difference of four. The first of the second differences is three and the first of the first differences is negative two. Also, the third term of the sequence is 24.

10

Find the first five terms of a sequence if there is a constant third difference of three. The first of the second differences is four and the first of the first differences is two. Also, the second term of the sequence is 35.

Write the equation.

11

x	1	2	3	4	5
y	-8	-11	-14	-17	-20

x	20	25	30	35	40
y	18	28	38	48	58

Write the equation.

12

13

Compute.

$$5\frac{8}{7} + 2\frac{8}{9}$$

14

Compute.

$$-4\frac{5}{7} + 2\frac{8}{9} - \left(-5\frac{1}{3}\right)$$

(14) Compute.

$$-4\frac{5}{7} + 2\frac{8}{9} - \left(-5\frac{1}{3}\right)$$

$$\boxed{3\frac{32}{63}}$$

Compute.

(13)

$$-4\frac{5}{7} + 2\frac{8}{9}$$

$$\boxed{-1\frac{52}{63}}$$

(8) Compute.

$$\frac{5}{9} \cdot \frac{45}{24} \cdot -4 \cdot 2\frac{1}{9} \cdot \frac{18}{35} \cdot -12$$

$$\boxed{54\frac{2}{7}}$$

(12) Write the equation.

x	20	25	30	35	40
y	18	28	38	48	58

$$\boxed{y = 2x - 22}$$

(11) Write the equation.

x	1	2	3	4	5
y	-8	-11	-14	-17	-20

$$\boxed{y = -3x - 5}$$

(9)

Find the first five terms of a sequence if there is a constant third difference of four. The first of the second differences is three and the first of the first differences is negative two. Also, the third term of the sequence is 24.

$$\boxed{25, 23, 24, 32, 51}$$

(10)

Find the first five terms of a sequence if there is a constant third difference of three. The first of the second differences is four and the first of the first differences is two. Also, the second term of the sequence is 35.

$$\boxed{33, 35, 41, 54, 77}$$

①

Insert inclusion symbols to make true

$$16 + (4 \div 2) - 3 = 17$$

③

Compute.

$$-9\frac{4}{5} - 3\frac{6}{7} + 14$$

$$\boxed{\frac{12}{35}}$$

④

Compute.

$$-9\frac{4}{5} - 3\frac{6}{7}$$

$$\boxed{-13\frac{23}{35}}$$

⑤

Compute.

$$\frac{-5}{12} \cdot \left(-1\frac{2}{3} \div 1\frac{1}{6}\right)^2$$

$$\boxed{\frac{-125}{147}}$$

⑥

Simplify.

$$4\left\{3\left[10 + (4^2 \div 2)^2\right]\right\} - 22^2$$

$$\boxed{404}$$

⑦

Simplify.

$$3(5 - 9 \div 9)^3 - 2(8 \div 2(4)^2)$$

$$\boxed{64}$$