

Tarikh: .....

## 3 Pecahan Positif dan Pecahan Negatif / Buku Teks: M.S. 16

Cari nilai setiap yang berikut.

Calculate each of the following. SP1.3.3 TP3

CONTOH

$$\begin{aligned} & \frac{1}{3} - \frac{1}{4} + \left(-1\frac{1}{8}\right) \\ &= \frac{7}{3} - \frac{1}{4} + \left(-\frac{9}{8}\right) \leftarrow \begin{array}{l} \text{① Tukarkan nombor bercampur} \\ \text{kepada pecahan tak wajar.} \\ \text{② Lakukan } + \text{ dahulu.} \\ \text{③ Tukar } + \text{ kepada } \times. \end{array} \\ &= \frac{7}{3} - \frac{1}{4} \times \left(-\frac{8}{9}\right) \\ &= \frac{7}{3} + \frac{2}{9} \\ &= \frac{21+2}{9} \leftarrow \text{Samakan penyebut} \\ &= \frac{23}{9} \\ &= 2\frac{5}{9} \end{aligned}$$

$$\begin{aligned} & 2. 5\frac{1}{8} \div \left(-1\frac{1}{2}\right) + 3\frac{3}{4} \\ &= \frac{41}{8} \div \left(-\frac{3}{2}\right) + \frac{15}{4} \\ &= \frac{41}{8} \times \left(-\frac{2}{3}\right) + \frac{15}{4} \\ &= \left(-\frac{82}{24}\right) + \frac{15}{4} \\ &= -\frac{82}{24} + \frac{90}{24} \quad \begin{array}{c} 24 \sqrt{172} \\ \underline{-168} \\ \hline 4 \end{array} \\ &= \left(-\frac{7}{24}\right) + \left(\frac{15}{4}\right) \# \end{aligned}$$

$$\begin{aligned} & 4. -3\frac{1}{3} - 2\frac{2}{5} \times \left(-\frac{7}{12}\right) + \frac{5}{6} \\ &= -\frac{10}{3} \times \left(-\frac{7}{12}\right) + \left(\frac{7}{5}\right) \end{aligned}$$

$$\begin{aligned} & -\frac{10}{3} + \frac{7}{5} = -\frac{10}{15} + \frac{21}{15} \\ &= -\frac{31}{15} + \frac{5}{6} \end{aligned}$$

$$\begin{aligned} & = -\frac{31}{15} + \frac{5}{6} = \frac{62}{30} + \frac{25}{30} \end{aligned}$$

$$\begin{aligned} & = -\frac{77}{30} \\ &= -2\frac{7}{30} \quad \begin{array}{c} 30 \sqrt{77} \\ \underline{-60} \\ \hline 17 \end{array}, \quad \left(-\frac{5}{9}\right) \# \end{aligned}$$

$$\begin{aligned} & 1. -2\frac{1}{4} \times \left(-\frac{4}{5} + 1\frac{2}{3}\right) \\ &= -\frac{9}{4} \times \left(-\frac{4}{5} + \frac{5}{3}\right) \\ &= \left(-\frac{12}{15} + \frac{25}{15}\right) = -\frac{37}{15} \\ & \begin{array}{c} -\frac{9}{4} \times \left(-\frac{37}{15}\right) = \frac{333}{60} \\ 5\frac{33}{60} \quad 60 \sqrt{333} \\ \underline{-300} \\ \hline 33 \end{array} \\ & 3. -\frac{3}{5} \times \left(-6\frac{2}{3}\right) + \frac{7}{8} \div \left(-\frac{5}{24}\right) \\ &= -\frac{3}{5} \times \left(-\frac{20}{3}\right) = -\frac{60}{15} \\ &= \frac{7}{8} \times \left(-\frac{24}{5}\right) = -\frac{172}{40} \end{aligned}$$

$$\begin{array}{r} -\frac{2580}{600} - \frac{2400}{600} = \frac{180}{600} = \frac{18}{60} \# \end{array}$$

$$\begin{aligned} & 5. \frac{2}{9} + \frac{3}{4} \div \left(-1\frac{1}{8}\right) \times \left(\frac{2}{3} - \frac{1}{6}\right) \\ &= \frac{4}{6} - \frac{1}{6} = \frac{3}{6} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \times \frac{8}{3} = \left(-\frac{2}{3}\right) \times \frac{8}{3} = -\frac{1}{3} \end{aligned}$$

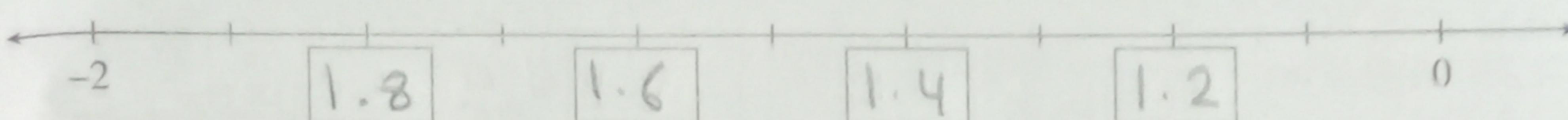
$$\begin{aligned} & \left(-\frac{1}{3}\right) + \frac{2}{9} = -\frac{3}{9} + \frac{2}{9} \end{aligned}$$

## 1.4 Perpuluhan Positif dan Perpuluhan Negatif

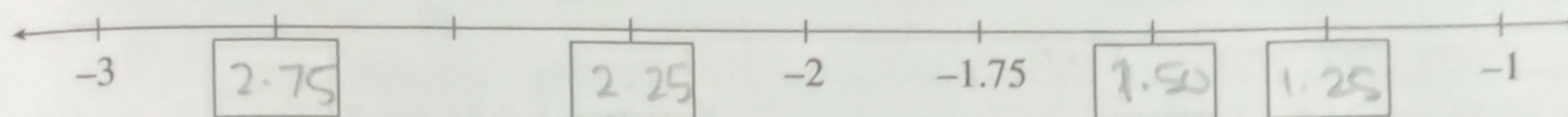
Buku Teks: M.S. 19 – 20

- A. Lengkapkan setiap garis nombor yang berikut.  
Complete each of the following number lines. SP1.4.1 TP1

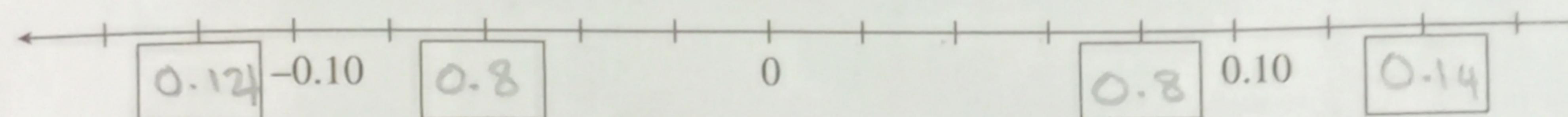
1.



2.



3.



- B. Banding dan susun perpuluhan berikut mengikut tertib menaik.

Compare and arrange the following decimals in ascending order. SP1.4.2 TP2

1.  $0.7, -0.8, 1.9, -1.3, -0.4$

2.  $1.8, -3.1, -2.7, 2.3, -1.5$

 $-1.3, -0.8, -0.4, 0.7, 1.9$  $-3.1, -2.7, -1.5, 1.8, 2.3$ 

3.  $-4.82, 4.57, -4.26, 4.78, -5.02$

4.  $2.567, -2.765, 0.657, -2.675, -0.876$

 $-5.02, -4.82, -4.26, 4.57, 4.78$  $-2.765, -2.675, -0.876, 0.657, 2.567$ 

- C. Banding dan susun perpuluhan berikut mengikut tertib menurun.

Compare and arrange the following decimals in descending order. SP1.4.2 TP2

1.  $-0.3, 0.5, -1.7, 1.1, -0.2$

2.  $-2.8, 3.2, -4.6, 0.9, -1.4$

 $1.1, 0.5, -0.2, -0.3, -1.7$  $3.2, 0.9, -1.4, -2.8, -4.6$ 

3.  $-1.06, 1.43, -1.85, 1.64, -1.22$

4.  $-5.092, 4.681, -5.347, 4.502, -4.748$

 $1.64, 1.43, -1.06, -1.22, -1.85$  $4.681, 4.502, -4.748, -5.092, -5.347$

## 1.4 Perpuluhan Positif dan Perpuluhan Negatif

Selesaikan setiap yang berikut.  
Solve each of the following. SP1.4.3

**CONTOH**

$$\begin{aligned}
 & -2.35 + 1.82 + (-0.4) - (-3.2) \\
 & = -2.35 + (-4.55) - (-3.2) \quad \text{Lakukan operasi + dan } - \\
 & = -2.35 - 4.55 + 3.2 \\
 & = -3.7
 \end{aligned}$$

2.  $-7.56 \div (-2.65 + 6.85)$

$$\begin{array}{r}
 4.2 \sqrt[1.3]{756} \\
 -42 \\
 \hline
 336 \\
 -26 \\
 \hline
 76 \\
 -76 \\
 \hline
 0
 \end{array}$$

$$\begin{array}{r}
 6.85 \\
 -2.65 \\
 \hline
 4.20
 \end{array}$$

$$\begin{array}{r}
 = -1.8 \\
 \# 
 \end{array}$$

4.  $-4.73 + (0.7 - 1.2) \times 2.9$

$$\begin{array}{r}
 0.7 \quad \times 2.9 \quad + 4.73 \\
 -0.7 \\
 \hline
 0.5
 \end{array}$$

$$\begin{array}{r}
 1.2 \quad \times 0.5 \quad - 9.77 \\
 -1.2 \\
 \hline
 0.5
 \end{array}$$

$$\begin{array}{r}
 = -9.77 \\
 \# 
 \end{array}$$

6.  $-1.5 \times 2.3 - 3.84 \div (-1.6)$

$$\begin{array}{r}
 2.3 \quad \times 1.5 \quad - 24 \\
 10.5 \\
 \hline
 33.5
 \end{array}$$

$$\begin{array}{r}
 16 \sqrt[1.6]{3.84} \\
 -32 \\
 \hline
 64 \\
 -64 \\
 \hline
 0
 \end{array}$$

$$\begin{array}{r}
 = -31.1 \\
 \# 
 \end{array}$$

8.  $-2.62 + \frac{2.28}{-1.9} \times 5.4$

$$\begin{array}{r}
 1.2 \quad \times 5.4 \\
 4.8 \\
 \hline
 6.0
 \end{array}$$

$$\begin{array}{r}
 19 \sqrt[1.2]{22.8} \\
 -19 \\
 \hline
 38 \\
 -38 \\
 \hline
 0
 \end{array}$$

$$\begin{array}{r}
 + 64.80 \\
 \hline
 2.62 \\
 \hline
 -52.18
 \end{array}$$

$$\begin{array}{r}
 = -52.18 \\
 \# 
 \end{array}$$

1.  $5.2 - (-4.9) \times 1.3$

$$\begin{array}{r}
 = 5.2 - (-6.37) \\
 5.2 + 6.37 \\
 \hline
 11.57 \\
 \# 
 \end{array}$$

3.  $0.25 \times (-1.8) + (-3.07)$

$$\begin{array}{r}
 = -0.45 + (-3.07) \\
 -0.45 \\
 \hline
 3.07 \\
 -0.45 \\
 \hline
 2.62 \\
 \hline
 -2.62 \\
 \# 
 \end{array}$$

5.  $3.34 - 1.92 \div (-0.3) - 2.49$

$$\begin{array}{r}
 3 \sqrt[1.92]{-6.4} \quad - 6.40 \\
 -1.8 \\
 \hline
 1.2 \\
 -1.2 \\
 \hline
 0
 \end{array}$$

$$\begin{array}{r}
 -3.34 \\
 \hline
 8.66 \\
 -2.49 \\
 \hline
 0.57
 \end{array}$$

$$\begin{array}{r}
 = -0.57 \\
 \# 
 \end{array}$$

7.  $-6.2 + [-2.4 - (-0.8)] - 1.73$

$$\begin{array}{r}
 -6.2 \\
 -2.4 \\
 \hline
 -8.6
 \end{array}$$

$$\begin{array}{r}
 -0.8 \\
 \hline
 -9.4
 \end{array}$$

$$\begin{array}{r}
 + 1.6 \\
 \hline
 6.2 \\
 \hline
 7.8
 \end{array}$$

$$\begin{array}{r}
 - 1.73 \\
 \hline
 6.07 \\
 \# 
 \end{array}$$

9.  $(1.8 - 3.26) - 5.76 \div (-0.9)$

$$\begin{array}{r}
 1.8 - 3.26 \\
 \hline
 -1.46
 \end{array}$$

$$\begin{array}{r}
 + 6.4 \\
 \hline
 7.86
 \end{array}$$