

s.18

(43)

$$\begin{aligned} \text{a)} \quad & -10 + (+20) \\ & = -10 + 20 = 10 \end{aligned}$$

$$\begin{aligned} \text{b)} \quad & 14 + (+8) \\ & = 14 + 8 = 22 \end{aligned}$$

$$\begin{aligned} \text{c)} \quad & 5 - (-9) \\ & = 5 + 9 = 14 \end{aligned}$$

$$\begin{aligned} \text{d)} \quad & 17 - (+20) \\ & = 17 - 20 = -3 \end{aligned}$$

(44)

$$\begin{aligned} \text{a)} \quad & -27 + (-10) \\ & = -27 - 10 = -37 \end{aligned}$$

$$\text{b)} \quad -15 - 15 = -30$$

$$\text{c)} \quad -8 - 2 = -10$$

$$\begin{aligned} \text{d)} \quad & -17 - (~~12~~ + 1) \\ & = -17 - 1 = -18 \end{aligned}$$

(45)

$$\begin{aligned} \text{a)} \quad & 5 - (-2) \\ & = 5 + 2 = 7 \end{aligned}$$

$$\begin{aligned} \text{b)} \quad & -13 - (-9) \\ & = -13 + 9 = -4 \end{aligned}$$

$$\begin{aligned} \text{c) } & 2 + (-1,5) \\ & = 2 - 1,5 = 0,5 \end{aligned}$$

$$\begin{aligned} \text{d) } & \cancel{0 - (-4)} \quad -4 - (-4) \\ & \cancel{= 0 + 4} \quad = -4 + 4 = 0 \end{aligned}$$

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$$\begin{aligned} \text{a) } & -3 + 6 - 8 \\ & = 3 - 8 = -5 \end{aligned}$$

$$\begin{aligned} \text{b) } & -(-4) + (-1) - (+5) \\ & = 4 - 1 - 5 \\ & = 3 - 5 \\ & = -2 \end{aligned}$$

$$\begin{aligned} \text{c) } & 7 - (+2) - (-9) \\ & = 7 - 2 + 9 \\ & = 5 + 9 \\ & = 14 \end{aligned}$$

$$\begin{aligned} \text{d) } & -5 + (-1) + (+4) \\ & = -5 - 1 + 4 \\ & = -6 + 4 \\ & = -2 \end{aligned}$$

52) Laste lukujen 8 ja -4

a) summa $8 + (-4)$
 $= 8 - 4 = 4$

b) erotus $8 - (-4)$
 $= 8 + 4 = 12$

c) vastalukujen summa

$$\begin{aligned} & -8 + (-(-4)) \\ &= -8 + (4) \\ &= -8 + 4 = -4 \end{aligned}$$

c) vastalukujen erotus

$$\begin{aligned} &= -8 - (-(-4)) \\ &= -8 - (4) \\ &= -8 - 4 = -12 \end{aligned}$$