

11. Decimal Addition and Subtraction

a)

$$\begin{aligned} 3.5 + 2.7 &= (3 + 2) + (0.5 + 0.7) \\ &= 5 + 1.2 \\ &= 6.2 \end{aligned}$$

$$\begin{aligned} 2.35 + 1.48 &= (2 + 1) + (0.3 + 0.05) + (0.4 + 0.08) \\ &= 3 + 0.3 + 0.4 + 0.05 + 0.08 \\ &= 3 + 0.7 + 0.13 \\ &= 3.83 \end{aligned}$$

$$\begin{aligned} 6.8 - 3.2 &= (6 - 3) + (0.8 - 0.2) \\ &= 3 + 0.6 \\ &= 3.6 \end{aligned}$$

$$\begin{aligned} 5.43 - 2.17 &= (5 - 2) + (0.43 - 0.17) \\ &= 3 + (0.2 + 0.23 - 0.17) \\ &= 3 + 0.2 + 0.06 \\ &= 3.26 \end{aligned}$$

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b)

$$4.8 + 3.1 = \boxed{}$$

c)

$$7.25 + 1.33 = \boxed{}$$

d)

$$8.9 - 4.6 = \boxed{}$$

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e)

$$6.78 - 3.45 = \boxed{}$$

f)

$$9.6 + 2.8 = \boxed{}$$