

Name: Class:

Add using properties of addition

Use properties to find the sum of the following addition sentences.

a. $50 + 24 + 9 + 10$

b. $20 + 79 + 44 + 50$

c. $70 + 14 + 55 + 16$

d. $12 + 39 + 55 + 57$

e. $74 + 45 + 15 + 25$

f. $88 + 89 + 17 + 30$

g. $40 + 24 + 15 + 11$

h. $22 + 11 + 24 + 33$

i. $50 + 69 + 33 + 31$

j. $30 + 22 + 28 + 13$

k. $51 + 31 + 38 + 21$

l. $11 + 42 + 72 + 85$

m. $99 + 10 + 52 + 56$

n. $90 + 36 + 12 + 27$

o. $73 + 10 + 95 + 26$

Name: Class:

Add using properties of addition

Use properties to find the sum of the following addition sentences.

a. $50 + 24 + 9 + 10$

To solve this, Let's first of all group the expression for easy addition.

$$50 + 24 + 9 + 10 = 50 + 10 + 24 + 9$$

Finally, use the associative property to group numbers so as to easily add.

$$\begin{aligned} 50 + 24 + 9 + 10 &= 50 + 10 + 24 + 9 \\ &= (50 + 10) + 24 + 9 \\ &= (60 + 24) + 9 \\ &= 84 + 9 = 93 \end{aligned}$$

So, $50 + 24 + 9 + 10 = 93$.

b. $20 + 79 + 44 + 50$

To solve this, Let's first of all group the expression for easy addition.

$$20 + 79 + 44 + 50 = 20 + 50 + 79 + 44$$

Finally, use the associative property to group numbers easy to add.

$$\begin{aligned} 20 + 79 + 44 + 50 &= (20 + 50) + 79 + 44 \\ &= (20 + 50) + 79 + 44 \\ &= (70 + 79) + 44 \\ &= (149 + 44) = 193 \end{aligned}$$

So, $20 + 79 + 44 + 50 = 193$.

c. $70 + 14 + 55 + 16$

To solve this, Let's first of all group the expression for easy addition.

$$70 + 14 + 55 + 16 = 14 + 16 + 70 + 55$$

Finally, use the associative property to group numbers easy to add.

$$\begin{aligned} 70 + 14 + 55 + 16 &= (14 + 16) + 70 + 55 \\ &= (14 + 16) + 70 + 55 \\ &= (30 + 70) + 55 \\ &= 100 + 55 = 155 \end{aligned}$$

So, $70 + 14 + 55 + 16 = 155$.