



Composição e decomposição de números

1 – Completa tomando como exemplo a primeira igualdade?



$$Vc = V + B$$

$$Vc = B + \underline{\quad}$$

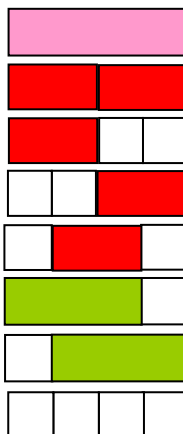
$$Vc = B + \underline{\quad} + \underline{\quad}$$

$$3 = 2 + 1$$

$$3 = 1 + \underline{\quad}$$

$$3 = \underline{\quad} + \underline{\quad}$$

2 – Completa tomando como exemplo a primeira igualdade?



$$R = V + V$$

$$R = V + \underline{\quad} + \underline{\quad}$$

$$R = B + \underline{\quad} + V$$

$$R = B + \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

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$$\underline{\quad} = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$4 = 2 + 2$$

$$4 = 2 + \underline{\quad} + \underline{\quad}$$

$$4 = 1 + \underline{\quad} + 2$$

$$4 = 1 + \underline{\quad} + \underline{\quad}$$

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3 – De quantas maneiras podemos obter o tamanho da barra amarela usando-se o material Cuisenaire?



$$A = R + B$$

$$A = \underline{\quad} + R$$

$$A = \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} = \underline{\quad} + \underline{\quad} + \underline{\quad}$$

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$$5 = 4 + 1$$

$$5 = \underline{\quad} + \underline{\quad}$$

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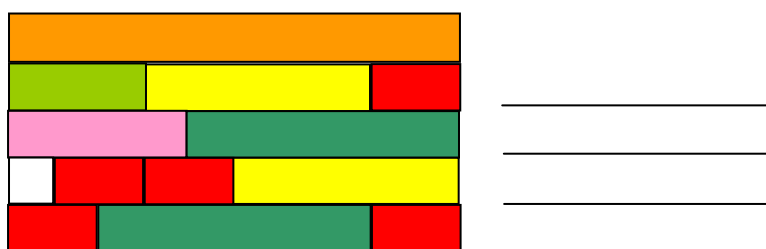
$$\underline{\quad} = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad}$$



4 – Desenha 10 maneiras para podermos obter a barra verde-escura usando o material Cuisenaire. Escreve as adições correspondentes às decomposições.

						A barra verde escura vale 6			
						$6 = 4 + 2$			

5 – Quais as adições representadas no tapete desenhado.

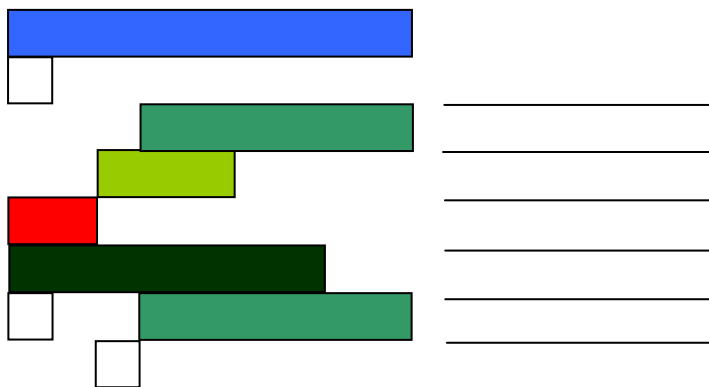


6 – Completa com as barras e escreve as adições correspondentes.

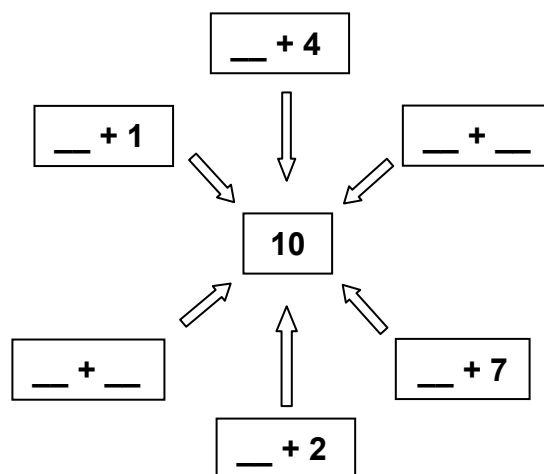




7 – Completa com as barras e escreve as adições correspondentes.



8 – Completa com o número que falta:



9 – Tenho 3 berlindes. O João dá-me dois e a Cristina oferece-me 4. Com quantos berlindes fico?

10 – Completa:

$$4 + 1 = __$$

$$5 + 1 + __ = 7$$

$$__ + 2 = 8$$

$$7 + __ = 7$$

$$3 + __ + __ = 9$$

$$6 + __ = 7$$

$$\begin{array}{r} \square \\ + 6 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3 \\ + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + \square \\ \hline 7 \end{array}$$

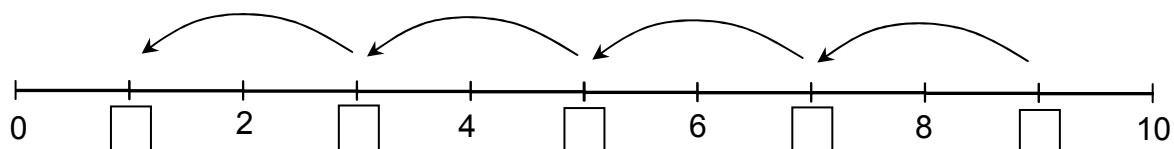
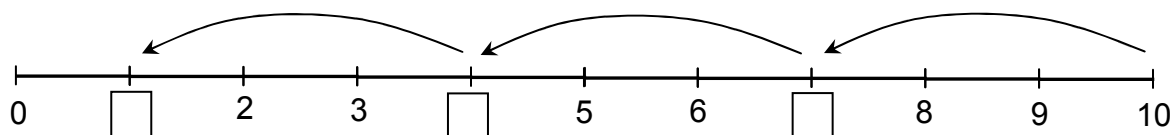
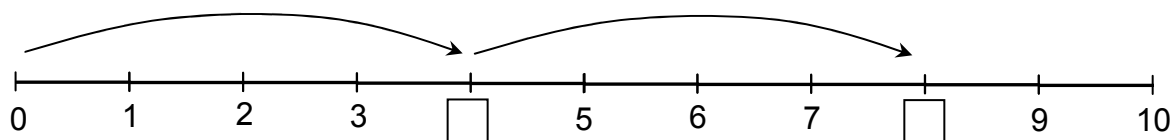
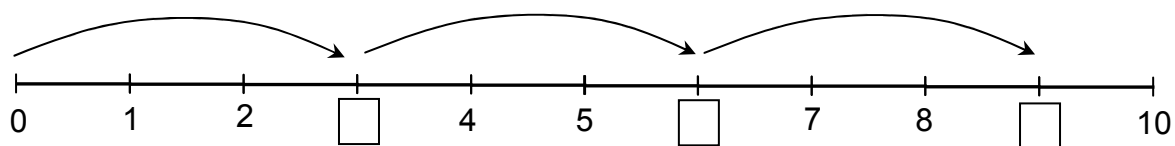
$$\begin{array}{r} 2 \\ 1 \\ + \square \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ \square \\ + \square \\ \hline 10 \end{array}$$

$$\begin{array}{r} \square \\ \square \\ + \square \\ \hline 8 \end{array}$$

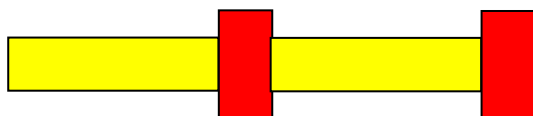


11 – Completa:

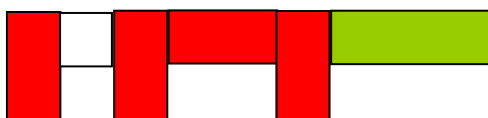


12 – Continua colocando barras:

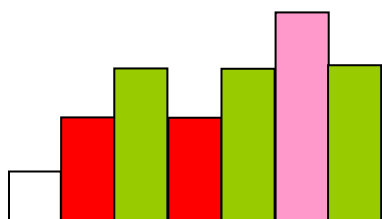
12.1 –



12.2 –

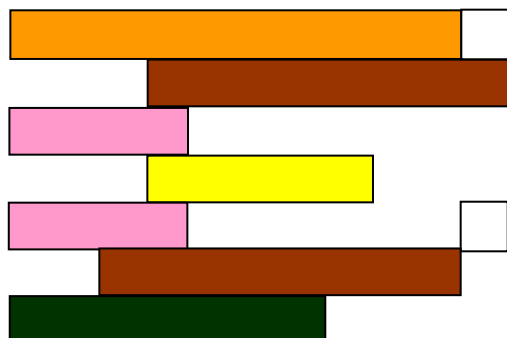


12.3 –



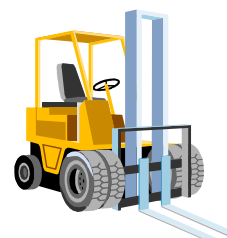
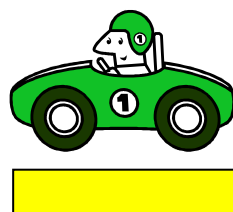
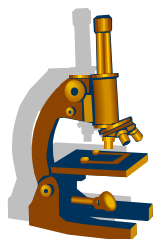
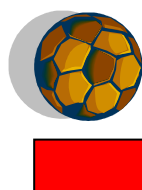


13 – Completa com as barras e escreve as adições correspondentes:



$$\begin{array}{l} ______ \\ ______ + 8 \\ 4 + ______ \\ ______ + 5 + ______ \\ 4 + ______ + 1 \\ ______ + 8 + ______ \\ 7 + ______ \end{array}$$

14 – O Francisco tem 12 euros e quer comprar prendas para o João que faz anos. O que é que pode comprar?



15 – O Mário tinha 4 lápis. A Helena deu-lhe 3 novos lápis. Quantos lápis tem agora o Mário?

16 - O Mário tinha 3 lápis. A Helena deu-lhe alguns novos lápis. Se o Mário tem agora 7 lápis, quantos lápis lhe deu a Helena?

17 – O Mário tinha alguns lápis. A Helena deu-lhe 3 novos lápis. Agora o Mário tem 7 lápis. Quantos lápis tinha no início?

18 – O Mário tem 7 lápis e dá 3 à Helena. Com quantos lápis fica o Mário?

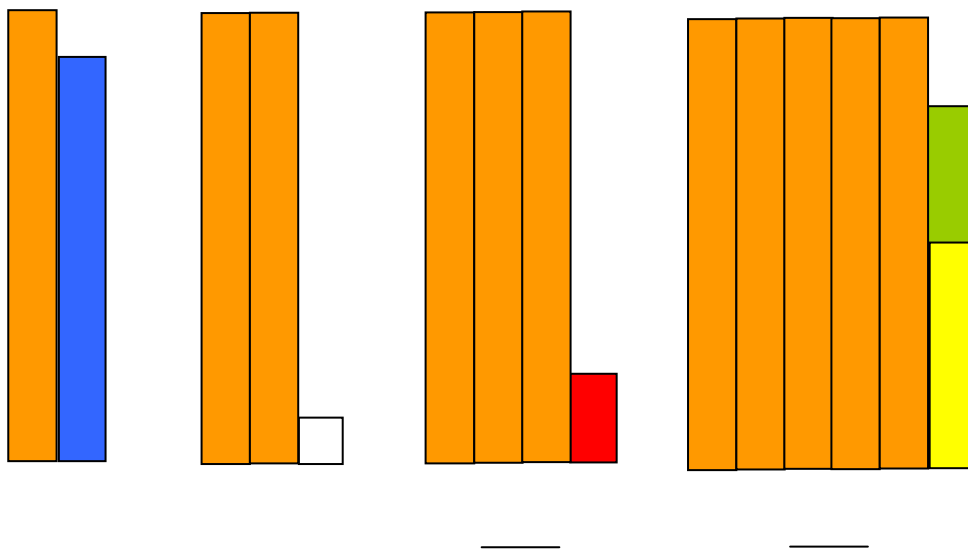
19 – O Mário tinha 7 lápis e dá alguns à Helena. Agora fica apenas com 3 lápis. Quantos lápis deu à Helena?

20 – O Mário tinha uma caixa de lápis. Deu 3 lápis à Helena. Agora ficou com 4 lápis. Quantos lápis havia na caixa?

(Bermejo & Bermejo in Bermejo 2004, p. 57)



21 – Escreve os números que correspondem às seguintes representações:



22 – Completa:

$$37 = 30 + \underline{\quad}$$

$$45 = \underline{\quad} + 5$$

$$62 = \underline{\quad} + \underline{\quad}$$

$$18 = \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} = 30 + 9$$

$$10 + 10 + 5 + 4 = 29$$

$$\underline{\quad} + \underline{\quad} = 29$$

$$\underline{\quad} = 29$$

$$\underline{\quad} + 3 + \underline{\quad} = \underline{\quad} + \underline{\quad} + \underline{\quad}$$

$$27 + \underline{\quad} = 24 + \underline{\quad}$$

$$58 = 58$$

$$13 + 6 + 20 = 13 + 6 + 20$$

$$19 + \underline{\quad} = \underline{\quad} + 26$$

$$\underline{\quad} = \underline{\quad}$$

$$15 + 2 + 11 = 15 + 2 + 11$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad}$$

$$\underline{\quad} = \underline{\quad}$$