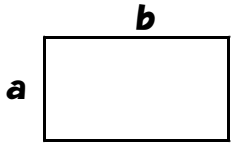
多項式の計算　No. 1

教科書　中学３年　Ｐ８～

次の図の長方形の面積を式に表してみよう。

①


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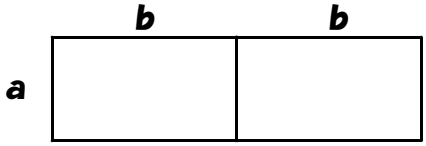

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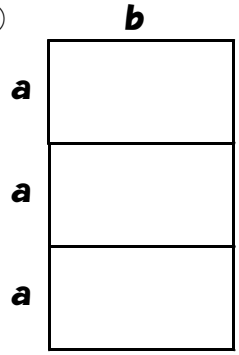

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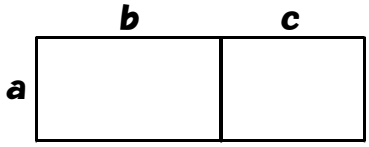

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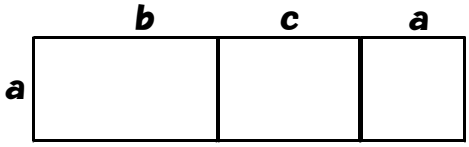
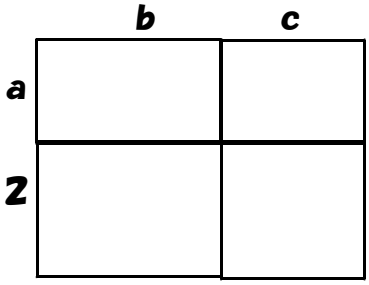
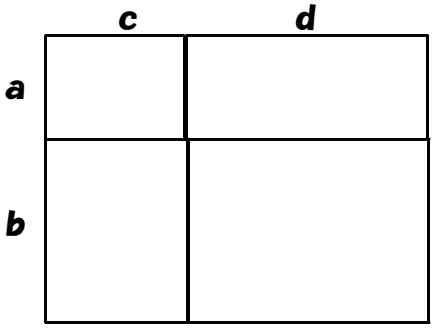


⑥


⑦


〈答え〉

①ab　②$2ab$　・$ab+ab=2ab$
・$ab\times 2=2ab$
・$a(b+b)=a\times 2b$
$=2ab$

③$3ab$　・$ab+ab+ab=3ab$
・$ab\times 3=3ab$
・$(a+a+a)\times b=3a\times b$
$=3ab$

④$a(b+c)$　どちらもＯＫ
$ab+ac$

⑤$a(b+c+a)$　どちらもＯＫ
$ab+ac+a^2$

⑥$(a+2)(b+c)$　どちらもＯＫ
$ab+ac+2b+2c$

・$a(b+c)+2(b+c)=ab+ac+2b+2c$
・$b(a+2)+c(a+2)=ab+2b+ac+2c$

⑦$(a+b)(c+d)$　どちらもＯＫ

$ac+ad+bc+bd$

・$a(c+d)+b(c+d)$
$=ac+ad+bc+bd$
・$(a+b)\times c+(a+b)\times d$
$=ac+bc+ad+ad$