

Group 1:

Message:  $b = \underline{52}$        $k = \underline{23}$        $m = \underline{65}$       **answer=C**

Hint:

$$23 \cdot 23 - 48 \cdot 11 = 1.$$

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Group 2:

Message:  $b = \underline{36}$        $k = \underline{19}$        $m = \underline{77}$       **answer=E**

Hint:

$$19 \cdot 19 - 60 \cdot 6 = 1.$$

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Group 3:

Message:  $b = \underline{51}$        $k = \underline{19}$        $m = \underline{77}$       **answer=T**

Hint:

$$19 \cdot 19 - 60 \cdot 6 = 1.$$

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Group 4:

Message:  $b = \underline{32}$        $k = \underline{35}$        $m = \underline{39}$       **answer=A**

Hint:

$$35 \cdot 11 - 24 \cdot 16 = 1.$$

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Group 5:

Message:  $b = \underline{47}$        $k = \underline{23}$        $m = \underline{65}$       **answer=H**

Hint:

$$23 \cdot 23 - 48 \cdot 11 = 1.$$

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Group 6:

Message:  $b = \underline{35}$        $k = \underline{19}$        $m = \underline{77}$       **answer=R**

Hint:

$$19 \cdot 19 - 60 \cdot 6 = 1.$$

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Group 7:

Message:  $b = \underline{14}$        $k = \underline{35}$        $m = \underline{39}$       **answer=D**

Hint:

$$35 \cdot 11 - 24 \cdot 16 = 1.$$

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Group 8:

Message:  $b = \underline{71}$        $k = \underline{29}$        $m = \underline{91}$       **answer=E**

Hint:

$$29 \cdot 5 - 72 \cdot 2 = 1.$$

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Group 9:

Message:  $b = \underline{9}$        $k = \underline{23}$        $m = \underline{65}$       **answer=S**

Hint:

$$23 \cdot 23 - 48 \cdot 11 = 1.$$

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Group 10:

Message:  $b = \underline{88}$        $k = \underline{29}$        $m = \underline{91}$       **answer=T**

Hint:

$$29 \cdot 5 - 72 \cdot 2 = 1.$$

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Group 11:

Message:  $b = \underline{4}$        $k = \underline{29}$        $m = \underline{91}$       **answer=M**

Hint:

$$29 \cdot 5 - 72 \cdot 2 = 1.$$

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Group 12:

Message:  $b = \underline{37}$        $k = \underline{35}$        $m = \underline{39}$       **answer=I**

Hint:

$$35 \cdot 11 - 24 \cdot 16 = 1.$$

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