## Multiplication Fact

Observe the grouping of stars carefully. Tick the correct options accordingly.


## Properties of Multiplication

Observe picture carefully and fill in the missing numbers using properties of multiplication.

| $\times$ | $\times$ | $\times$ |
| :---: | :---: | :---: |
| $\times$ | $\times$ | $\times$ |
| $\times$ | $\times$ | $\times$ |
| $\times$ | $\times$ | $\times$ |

$4 \times 3=12$

| $\times \times \times$ |
| :--- | :--- | :--- |
| $\times \times \times$ |

$3 \times 2=2 \times 3=6$
b)

| $\times \times \times \times \times \times$ | $X$ | X |  | $X$ | $x$ | $\times$ |  | $x$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\times \times \times \times \times \times$ | $\times$ | X |  | $X$ | $\times$ | X |  | $\chi$ |
| $\times \times \times \times \times \times$ | X | $\times$ |  | $\times$ | $\times$ | X | X | X |
| $\times \times \times \times \times \times$ | X | $x$ |  | $X$ | $\times$ | X | X | $x$ |
| $\times \times \times \times \times \times$ | $\times$ | $\times$ |  | $x$ | $\times$ | X |  | X |

$\qquad$ $=$ $\qquad$ X $=$
d)

$\qquad$ $=$ $\qquad$
$\qquad$ $=$ $\qquad$
f)

$$
\begin{array}{|c|}
\hline \times \times \times \times \times \times \times \\
\hline \times \times \times \times \times \times \times \\
\hline \times \times \times \times \times \times \times \\
\hline
\end{array}
$$

$\qquad$ $=$ $\qquad$ $X$ $\qquad$ $=$ $\qquad$

When the order of numbers to be multiplied with each other is changed then product remains the same $3 \times 4$ is equal to $4 \times 3$
a)

( X
$=$ $\qquad$ $=$
c)

$\qquad$ $X$ $\qquad$ $=$ $\qquad$
$\qquad$ $=$
e)

| $\times \times \times \times$ |
| ---: |
| $\times \times \times \times$ |
| $\times \times \times \times$ |
| $\times \times \times \times$ |
| $\times \times \times \times$ |
| $\times \times \times \times$ |
| $\times \times \times \times$ |
| $\times \times \times \times$ |
| $\times \times \times \times$ |


| $X$ | $X$ | $X$ | $X$ |
| :---: | :---: | :---: | :---: |
| X | $X$ | $X$ | $X$ |
| $X$ | $X$ | $X$ | $X$ |
| $X$ | $X$ | $X$ | $X$ |
| $X$ | $X$ | $X$ | $X$ |
| $X$ | $X$ | $X$ | $X$ |
| X | $X$ | $X$ | $X$ |
| $X$ | $X$ | $X$ | $X$ |
| X | $X$ | X | $X$ |

$\qquad$ $=$ $\qquad$ X $\qquad$ $=$ $\qquad$

