## Year 6 Maths <br> Friday $3^{\text {rd }}$ July

## Lesson Aims

- I can find and use mathematical rules.

Success Criteria:

- I understand the term input
- I understand the term output
- I can calculate an output when the rule is known.
- I can find a rule when the input and output are given.


## If $a=4$, find two possibilities for $b$ if the answer

 is greater than 10 and less than 20.
$\square$
$\square$

If $a=4$, find two possibilities for $\boldsymbol{b}$ if the answer is greater than 10 and less than 20.


## Varied Fluency 1

Match the pairs of numbers to the equations.
$26+28$
$7 \times 9$
$16+47$
$3 \times 18$

$$
a \times b=63
$$

$$
c+d=54
$$

$$
e \times f=54
$$

$$
j+k=63
$$

## Varied Fluency 1

Match the pairs of numbers to the equations.


## Varied Fluency 2

## Which set of values is the odd one out?

$$
r \times s=32
$$

$$
\begin{aligned}
& r=6 \\
& s=6
\end{aligned} \quad \begin{gathered}
r=2 \\
s=16
\end{gathered} \quad \begin{aligned}
& r=4 \\
& s=8
\end{aligned}
$$

## Varied Fluency 2

## Which set of values is the odd one out?

$$
r \times s=32
$$



## Varied Fluency 3

Which of the options satisfy the equation?

A.
$n=4$
$m=19$
B. $n=13$
$m=6$
C. $n=3 \quad m=26$
D. $n=2 \quad m=38$

## Varied Fluency 3

Which of the options satisfy the equation?

A.
$n=4$
$m=19$
B.
$n=13$
$m=6$
C. $n=3$
$m=26$
D. $n=2 \quad m=38$

## Varied Fluency 4

Imra can only find 1 pair of integer values for $x$ and $y$. How many more are there?

## $x \quad x \quad y=9$

## Varied Fluency 4

Imra can only find 1 pair of integer values for $x$ and $y$. How many more are there?
$x \quad \mathrm{x} y=9$

1 more:

$$
\begin{aligned}
& 1 \times 9=9 \\
& 9 \times 1=9
\end{aligned}
$$

## Varied Fluency 1

## Which pair of values does not satisfy the equation?

$$
r \div s=12
$$



$$
\begin{gathered}
r=108 \\
s=9
\end{gathered}
$$

Which pair of values does not satisfy the equation?

$$
r \div s=12
$$



$$
\begin{gathered}
r=56 \\
s=7
\end{gathered}
$$

$$
\begin{gathered}
r=108 \\
s=9
\end{gathered}
$$

## Activity

Complete the activity sheets attached on the website. Choose your level of challenge from the documents provided.

## Fluency Activity Answers

The answers will be included in the question documents.

## Review

- Can you review your learning?


