Extra Questions



$$
\begin{gathered}
1 \times 2=2 \\
2 \times 2=4 \\
4 \times 2=8 \\
8 \times 2=16 \\
16 \times 2=32 \\
32 \times 2=64 \\
64 \times 2=128
\end{gathered}
$$



$$
\begin{gathered}
3+5=8 \\
8+5=13 \\
13+5=18 \\
18+5=23 \\
23+5=28 \\
28+5=33 \\
33+5=38
\end{gathered}
$$

## 71, 62, 53, 44, ... What is the next number in the above pattern?

$$
\begin{aligned}
& 71-9=62 \\
& 62-9=53 \\
& 53-9=44 \\
& 44-9=35
\end{aligned}
$$



$$
2+3=5
$$

$$
5+3=8
$$

$$
8+3=14
$$

$$
14+3=17
$$



$$
\begin{aligned}
& 11+6=17 \\
& 17+6=23
\end{aligned}
$$

So $23+6=29$
$29+6=35$
$35+6=41$

## 63, 55, 47, ? , 31, 23



$$
\begin{aligned}
& 63-8=55 \\
& 55-8=47 \\
& 47-8=39 \\
& 39-8=31 \\
& 31-8=23
\end{aligned}
$$

## Here is a number pattern. What is the missing value?

 3, 6, 12, ?$$
3 \times 2=6
$$

$$
6 \times 2=12
$$

$12 \times 2=24$
$24 \times 2=48$
$48 \times 2=96$


$$
\begin{aligned}
& 3+7=10 \\
& 10+7=17 \\
& 17+7=24 \\
& 24+7=31 \\
& 31+7=38 \\
& 38+7=45 \\
& 45+7=52
\end{aligned}
$$

The first cube number is 1 cubed $=1^{3}=1$ $\times 1 \times 1=1$

What is the tenth cube number?

## $10 \times 10 \times 10=1000$

# Here is a number pattern. What is the missing number? 

2, 8, 32, ? , 512, 2048

$$
2 \times 4=8
$$

$$
8 \times 4=32
$$

$$
32 \times 4=128
$$

$$
128 \times 4=512
$$

$512 \times 8=4096$

## 96, 48, 24, 12, ... What is the next number in the above sequence?

$$
\begin{gathered}
98 / 2=48 \\
48 / 2=24 \\
24 / 2=12 \\
12 / 2=6 \\
6 / 2=3
\end{gathered}
$$

