

Archery (1)
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In the archery the semi-final round begins when there are just 4 archers left. In the semi-final and final each archer shoots four ends of three arrows each, a total of 12 arrows. The scoring is based on a ten ring target, made up of 5 colours. The points are as follows:


| Gold inner | 10 points |
| :--- | :--- |
| Red inner | 8 points |
| Blue inner | 6 points |
| Black inner | 4 points |
| White inner | 2 points |


| Gold outer | 9 points |
| :--- | :--- |
| Red outer | 7 points |
| Blue outer | 5 points |
| Black outer | 3 points |
| White outer | 1 points |

Arrows which land on the line are given the higher score.

1. Jim landed all three of his arrows in the Gold rings.

What possible scores could he have had?


There are 4 possible answers.



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2. Jack landed one arrow in gold (10 or 9 points),

one arrow in red (8 or 7 points)
and one arrow in blue (6 or 5 points)..
What possible scores could he have had?


There are 8 possibilities, with just 4 possible totals.


## Answers

Page 1
$10+10+10=30$
$10+10+9=29$
$10+9+9=28$
$9+9+9=27$

Page 2
$10+8+6=24$
$10+8+5=23$
$10+7+6=23$
$10+7+5=22$
$9+8+6=23$
$9+8+5=22$
$9+7+6=22$
$9+7+5=21$

