

PRIMARY MATHEMATICS CHALLENGE 2017

13TH-17TH NOVEMBER 2017

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QUESTION
MARTIANS HAVE 7 ARMS
& 3 LEGS. WHEN SOME 2 ARMED
& 2 LEGGED HUMANS VISIT
MARS, THERE WERE 91 ARMS & 47 LEGS.
**HOW MANY MORE MARTIANS THAN HUMANS
WERE THERE?**

- A 1
- B 2
- C 3
- D 4
- E 5



$$11 - 7 = 4$$

ANSWER

D. 4

$$\begin{aligned} 7x + 2y &= 91 \\ 3x + 2y &= 47 \\ 4x &= 44 \\ x &= 11 \end{aligned}$$

$$\begin{aligned} 33 + 2y &= 47 \\ 2y &= 47 - 33 \\ 2y &= 14 \\ y &= 7 \end{aligned}$$