

⇒  $2^2 \times 3^3 \times 7$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

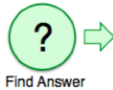


**CARD A**

Find the prime factorisation of...

252

SET 2



www.maths4everyone.com

⇒  $2 \times 3 \times 7^2$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

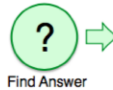


**CARD B**

Find the prime factorisation of...

315

SET 2



www.maths4everyone.com

⇒  $2^2 \times 3^3 \times 5$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

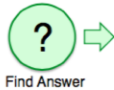


**CARD C**

Find the prime factorisation of...

792

SET 2



www.maths4everyone.com

⇒  $2^2 \times 3^2 \times 11$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

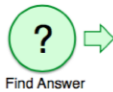


**CARD D**

Find the prime factorisation of...

168

SET 2



www.maths4everyone.com

⇒  $2^3 \times 3 \times 5$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

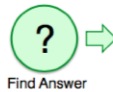


**CARD E**

Find the prime factorisation of...

180

SET 2



www.maths4everyone.com

⇒  $2 \times 3^2 \times 11$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

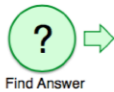


**CARD F**

Find the prime factorisation of...

126

SET 2



www.maths4everyone.com

⇒  $2 \times 7 \times 11$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

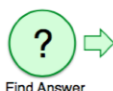


**CARD G**

Find the prime factorisation of...

132

SET 2



www.maths4everyone.com

⇒  $2^3 \times 3 \times 7$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

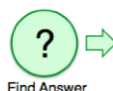


**CARD H**

Find the prime factorisation of...

378

SET 2



www.maths4everyone.com

⇒  $2^2 \times 3 \times 11$

**LOOP CARDS**  
**PRIME FACTORS**  
[STAGE FOUR]

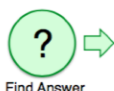


**CARD I**

Find the prime factorisation of...

396

SET 2



www.maths4everyone.com

$2^2 \times 3^2 \times 5^2$  **LOOP CARDS**  
**PRIME FACTORS**  
 [STAGE FOUR]

☆☆☆ **CARD J**

Find the prime factorisation of...

756

SET 2 Find Answer

www.maths4everyone.com

$3^2 \times 5 \times 7$  **LOOP CARDS**  
**PRIME FACTORS**  
 [STAGE FOUR]

☆☆☆ **CARD K**

Find the prime factorisation of...

900

SET 2 Find Answer

www.maths4everyone.com

$2 \times 3^2 \times 7$  **LOOP CARDS**  
**PRIME FACTORS**  
 [STAGE FOUR]

☆☆☆ **CARD L**

Find the prime factorisation of...

294

SET 2 Find Answer

www.maths4everyone.com

$2^3 \times 3^2 \times 11$  **LOOP CARDS**  
**PRIME FACTORS**  
 [STAGE FOUR]

☆☆☆ **CARD M**

Find the prime factorisation of...

120

SET 2 Find Answer

www.maths4everyone.com

$2^2 \times 3^2 \times 5$  **LOOP CARDS**  
**PRIME FACTORS**  
 [STAGE FOUR]

☆☆☆ **CARD N**

Find the prime factorisation of...

198

SET 2 Find Answer

www.maths4everyone.com

$2^2 \times 3^2 \times 7$  **LOOP CARDS**  
**PRIME FACTORS**  
 [STAGE FOUR]

☆☆☆ **CARD O**

Find the prime factorisation of...

154

SET 2 Find Answer

www.maths4everyone.com

$2 \times 3^3 \times 7$  **LOOP CARDS**  
**PRIME FACTORS**  
 [STAGE FOUR]

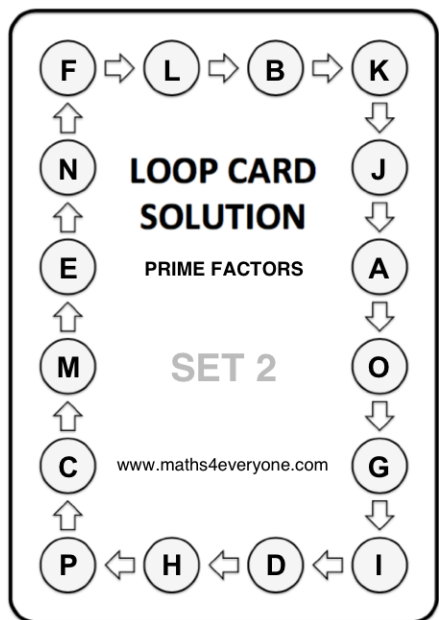
☆☆☆ **CARD P**

Find the prime factorisation of...

540

SET 2 Find Answer

www.maths4everyone.com



**INSTRUCTIONS**

**SINGLE PLAYER**

- Shuffle the cards.
- Choose any card and work out the answer to its question.
- Put this card face down on the table.
- Look through the rest of the pack, find the card that has the answer from the first card and answer its question, putting this second card, face down, on top of the first card.
- Now find the card that has this answer on it and repeat the process of finding the answer to one card at the top of another card, answering the question etc., until you have answered all the questions on all of the cards.
- Use the Solution Card to check that you have put the cards in the correct order.
- Shuffle the cards and repeat the game, but try timing yourself!

**MULTIPLE PLAYERS**

- Each player has their own pack of shuffled cards.
- They start at the same time and sees who finished quickest.
- A 20 second time penalty is given for each card that does not correctly follow on from the previous one.

**VARIATION**

- Each player has a different pack of cards and race each other (the finish time for the players is recorded).
- Answers are checked and a 20 second time penalty is given for each card that does not correctly follow on from the previous one.
- Players then swap packs and race again.
- The player with the least total time wins.

www.maths4everyone.com