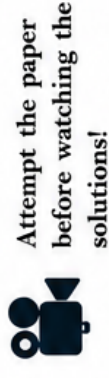


RECIPROCAL

HIGHER TIER



Attempt the paper
before watching the
solutions!

[https://www.youtube.com/
@JPMathsRevision](https://www.youtube.com/@JPMathsRevision)

Name: _____

Date: _____

SECTION A

Write down the reciprocal of the following.

1. Write down the reciprocal of 2.

$$= \frac{1}{2} \quad (1)$$

2. Write down the reciprocal of 5.

$$= \frac{1}{5} \quad (1)$$

3. Write down the reciprocal of 1.

$$= 1 \quad (1)$$

4. Write down the reciprocal of 100.

$$= \frac{1}{100} \quad (1)$$

5. Write down the reciprocal of $\frac{9}{10}$.

$$= \frac{10}{9} \quad (1)$$

6. Write down the reciprocal of $\frac{1}{2}$.

$$= 2 \quad (1)$$

7. Write down the reciprocal of $\frac{3}{4}$.

$$= \frac{4}{3} \quad (1)$$



8. Write down the reciprocal of $\frac{2}{5}$.

$$= \frac{5}{2} \quad (1)$$

9. Write down the reciprocal of 0.5.

$$= 2 \quad (1)$$

10. Write down the reciprocal of 0.25.

$$= 4 \quad (1)$$

11. Write down the reciprocal of 0.2.

$$= 5 \quad (1)$$

12. Write down the reciprocal of 1.25.

$$= \frac{4}{5} \quad (1)$$

13. Jack says "All numbers have a reciprocal".

Is Jack correct?

Give reason for your answer.

No.

Zero does not have a reciprocal because $\frac{1}{0}$ is undefined.

