

1. Heidi says that the value of  $1^2$  is 2

Is Heidi right?

You must give a reason for your answer.

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2. (a) Write down the value of  $2^{-1}$

(a) .....

3. (a) Simplify  $a \times a \times a \times a \times a \times a$

(a) .....

4. (a) Simplify  $a^3 \times a$

(a) .....

5. (a) Simplify  $a^7 \div a^3$

(a) .....

6. (a) Simplify  $3a^2b \times 4a^5b^4$

(a) .....

7. (a) Simplify  $(a^4)^3$

(a) .....

8. (a) Simplify  $(2p)^4$

(a) .....