

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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No, Heidi should work out (OR $1^2 =$) 1×1 ($= 1$, not $1 + 1$)

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

(a) $\frac{1}{2}$

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

(a) a^6

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

(a) a^4

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

(a) a^4

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

(a) ... $12a^7b^5$

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

(a) a^{12}

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

(a) $16p^4$