

Compare: with powers

Name: _____

Date: _____

Work out both sides, then write $<$, $>$ or $=$ in the box between them.

1. $2 + 7^2 \times 7$

$6 + 4 \times 2^2$

2. $8^2 - 6 \times 4$

$9 + 3 \times 9^2$

3. $9^2 - 4 \times 8$

$4^2 + 8 \times 6$

4. $7^2 - 6 \times 3$

$6 + 7^2 \times 3$

5. $2^2 + 7 \times 5$

$5 + 6^2 \times 7$

6. $7^2 + 7 \times 5$

$7^2 + 3 \times 8$

7. $4 + 4 \times 2^2$

$9^2 - 8 \times 3$

8. $4^2 - 2 \times 6$

$9 + 3 \times 4^2$

9. $3^2 + 3 \times 5$

$2 + 6^2 \times 4$

10. $7^2 + 9 \times 7$

$5^2 + 4 \times 4$

Answer key: Compare: with powers

Work out both sides, then write $<$, $>$ or $=$ in the box between them.

1. $2 + 7^2 \times 7$ $>$ $6 + 4 \times 2^2$

2. $8^2 - 6 \times 4$ $<$ $9 + 3 \times 9^2$

3. $9^2 - 4 \times 8$ $<$ $4^2 + 8 \times 6$

4. $7^2 - 6 \times 3$ $<$ $6 + 7^2 \times 3$

5. $2^2 + 7 \times 5$ $<$ $5 + 6^2 \times 7$

6. $7^2 + 7 \times 5$ $>$ $7^2 + 3 \times 8$

7. $4 + 4 \times 2^2$ $<$ $9^2 - 8 \times 3$

8. $4^2 - 2 \times 6$ $<$ $9 + 3 \times 4^2$

9. $3^2 + 3 \times 5$ $<$ $2 + 6^2 \times 4$

10. $7^2 + 9 \times 7$ $>$ $5^2 + 4 \times 4$