

Chilli Challenges

Mild

Whitney says,



8×8 is greater
than two lots of
 4×8

Do you agree?

Can you prove your answer?

Hot

True or false?

$$6 \times 7 < 6 + 6 + 6 + 6 + 6 + 6 + 6$$

$$7 \times 6 = 7 \times 3 + 7 \times 3$$

$$2 \times 3 + 3 > 5 \times 3$$

Spicy

Can you find three different ways to complete each number sentence?

$$\underline{\quad} \times 3 + \underline{\quad} \times 3 < \underline{\quad} \div 3$$

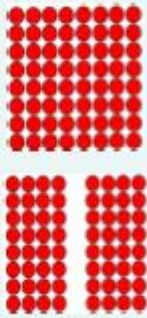
$$\underline{\quad} \div 4 < \underline{\quad} \times 4 < \underline{\quad} \times 4$$

$$\underline{\quad} \times 8 > \underline{\quad} \div 8 > \underline{\quad} \times 8$$

Answers

Mild

Possible answer:
She is wrong
because they are
equal.



Hot

False

True

False

Spicy

Possible answers
include:

$$1 \times 3 + 1 \times 3 < 21 \div 3$$
$$1 \times 3 + 1 \times 3 < 24 \div 3$$
$$1 \times 3 + 1 \times 3 < 27 \div 3$$

$$24 \div 4 < 8 \times 4 < 12 \times 4$$
$$16 \div 4 < 5 \times 4 < 7 \times 4$$
$$8 \div 4 < 3 \times 4 < 4 \times 4$$

$$4 \times 8 > 88 \div 8 > 1 \times 8$$
$$2 \times 8 > 80 \div 8 > 1 \times 8$$
$$6 \times 8 > 96 \div 8 > 1 \times 8$$

