



Mathness!

True or false equations

Grade 4 math · printable worksheet + answer key

Luna's Space Adventure

Grade 4 · True or false equations · MA.4.AR.2.1

Name _____

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

True or false? The = sign means both sides are worth the same.

$18 - 8 = 2 \times 5$	True	False	$33 - 5 = 34 - 8$	True	False
$27 - 9 = 36 - 18$	True	False	$9 \times 4 = 26 + 10$	True	False
$11 - 2 = 16 - 7$	True	False	$58 - 17 = 52 - 12$	True	False
$10 \times 3 = 37 - 6$	True	False	$45 - 6 = 8 \times 5$	True	False

Say why Work out each side. Same value? Then it's true.

$6 \times 3 = 32 - 16$	left side	right side	True	False
$2 \times 5 = 5 \times 2$	left side	right side	True	False
$7 \times 7 = 33 + 16$	left side	right side	True	False
$4 \times 3 = 2 \times 5$	left side	right side	True	False

Fix it Each one is false. Change one number to make it true.

$22 + 5 = 81 - 53$	_____	$320 \div 8 = 19 + 11$	_____
$88 - 52 = 2 \times 23$	_____	$15 \times 2 = 30 - 2$	_____

Who is right? Work out both sides, then circle the name.

Max says $25 - 9 = 2 \times 8$ is true; Luna says false.

Orion says $86 - 14 = 8 \times 9$ is true; Luna says false.

Free · answer key included

Orion Luna

ANSWER KEY

False

False

False

False

False

False

False

False

1

Max says $43 - 15 = 9 \times 3$ is true; Nova says false.

Max

Nova

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Code MA4AR21-SP-FIRST at mathness.app

Luna

Nova

Answer key