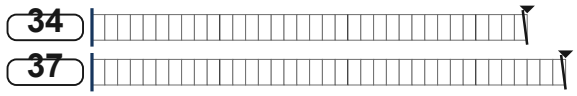
ANSWER KEY

Worksheet 1: BUILD THE RELATION

TASK 1A

DRAW AN ARC. WHICH SIGN FITS?



ACCEPTED RELATION

34 < 37

Explanation

34 < 37. The rows share a starting post; 37 reaches 3 ones farther.

Open acceptance

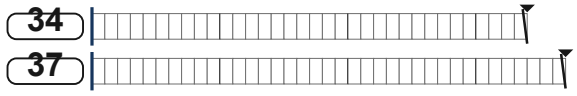
Accept a clear arc opening toward 37 and a correct < sign. Neatness is not graded.

Hint

Compare full tens first. Then count the extra ones.

TASK 1B

DRAW ONLY THE ONES THAT 34 NEEDS TO MATCH 37. THEN SHOW THE NEW RELATION.



ACCEPTED RELATION

37 = 37

Explanation

Add exactly 3 ones: 4 + 3 = 7, so 37 = 37.

Open acceptance

Accept exactly 3 child-drawn ones and 37 = 37 in digits, marks, or pointing.

Hint

How many more ones does the longer row show?

Grown-up note Accept clear models, digits, drawings, or pointing that show the same relation. Correcting or erasing an earlier idea is valid. Neatness and color are not criteria.

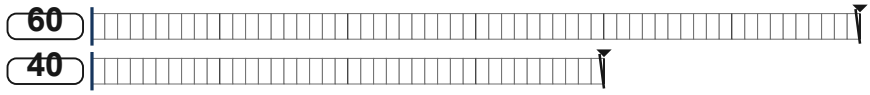
40 mm · Print at 100%

ANSWER KEY

Worksheet 2: READ IT BOTH WAYS

TASK 2A

DRAW AN ARC AROUND THE DELIVERY WITH MORE. WRITE THE SIGN.



ACCEPTED RELATION

60 > 40

Explanation

60 > 40. Six full tens are more than four full tens.

Open acceptance

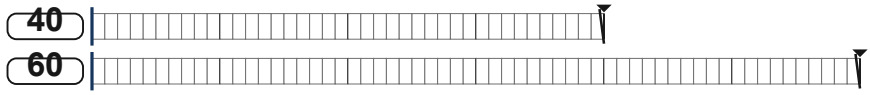
Accept an arc or comparison opening toward 60 and 60 > 40.

Hint

Start at the shared post. Which row reaches farther?

TASK 2B

SWAP THE SIDES. DRAW AND WRITE THE NEW RELATION.



ACCEPTED RELATION

40 < 60

Explanation

40 < 60. The same 40 and 60 are swapped; the wider side now opens right.

Open acceptance

Accept unchanged quantities, the new left-to-right order, and 40 < 60.

Hint

The quantities did not change; only their positions did.

Grown-up note Accept clear models, digits, drawings, or pointing that show the same relation. Correcting or erasing an earlier idea is valid. Neatness and color are not criteria.

40 mm · Print at 100%

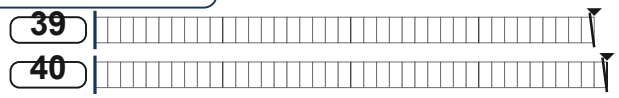
ANSWER KEY

Worksheet 3: REPAIR A FIRST TRY

TASK 3A

REPAIR THE SIGN.

FIRST TRY: 39 > 40



ACCEPTED RELATION

39 < 40

Explanation

The first try 39 > 40 stays visible. The repair is 39 < 40.

Open acceptance

Accept a repaired arc and 39 < 40. Erasing or changing the first try is also valid; the repaired relation is the criterion.

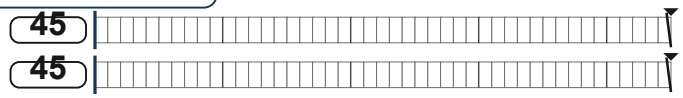
Hint

Start at the same post. Does either model have one more?

TASK 3B

REPAIR THE SIGN.

FIRST TRY: 45 < 45



ACCEPTED RELATION

45 = 45

Explanation

The first try 45 < 45 stays visible. Pairing shows 45 = 45.

Open acceptance

Accept a one-to-one pairing and 45 = 45. Erasing the first try is valid when the repair is correct.

Hint

Match each one. If none is left over, what sign fits?

Grown-up note Accept clear models, digits, drawings, or pointing that show the same relation. Correcting or erasing an earlier idea is valid. Neatness and color are not criteria.

40 mm · Print at 100%

ANSWER KEY

Worksheet 4: FOLLOW A CHANGED DELIVERY

TASK 4A

ADD 10 ON THE LEFT. DRAW AND WRITE THE NEW RELATION.



ACCEPTED RELATION

52 > 51

Explanation

42 < 51 becomes 52 > 51 after exactly 10 is added on the left.

Open acceptance

Accept exactly +10, the before/after rows, an updated arc, and 52 > 51.

Hint

The sign can change. Compare only the state after +10.

TASK 4B

ADD 10 ON THE LEFT. DRAW AND SHOW WHY THE DIRECTION STAYS.



ACCEPTED RELATION

48 < 54

Explanation

38 < 54 becomes 48 < 54. The left end is still before the right end.

Open acceptance

Accept exactly +10, the updated rows, 48 < 54, and any clear end-of-row explanation.

Hint

A change does not have to reverse the sign. Check the new ends.

Grown-up note Accept clear models, digits, drawings, or pointing that show the same relation. Correcting or erasing an earlier idea is valid. Neatness and color are not criteria.

40 mm · Print at 100%