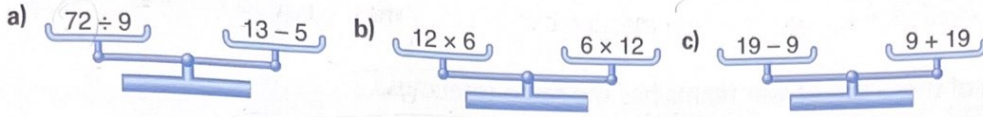


Practice

1. Suppose you were using real balance scales.
Which scales below would balance?

How did you find out?



2. a) Write an expression with 2 numbers and one operation.
b) Write 5 different expressions that equal your expression in part a.
What strategy did you use to find the expressions?
c) Suppose you used real balance scales.
You put counters to represent 3 of the expressions in the left pan and
3 in the right pan. What would happen? How do you know?

3. Rewrite each expression using a commutative property.

a) $5 + 8$

b) 6×9

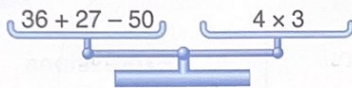
c) 11×7

d) $12 + 21$

e) $134 + 72$

f) 36×9

4. a) Are these scales balanced?



- b) If your answer is yes, why do you think so?
If your answer is no, what could you do to balance the scales?
Why would this work?

5. a) Addition and subtraction are inverse operations.
Addition is commutative. Is subtraction commutative?
Use an example to show your answer.
b) Multiplication and division are inverse operations.
Multiplication is commutative. Is division commutative?
Use an example to show your answer.

Reflect

Are subtractions and division commutative operations?
Explain why or why not.