

Understand the meaning of equality

1 Which calculations are correct? Tick your answers.

$7 + 2 = 9$ ☐

$10 = 3 + 8$ ☐

$13 - 6 = 7$ ☐

$6 = 25 - 19$ ☐

$36 = 5 \times 7$ ☐

$56 \div 7 = 6$ ☐

2 Which calculations are correct? Tick your answers.

$9 + 8 = 6 + 12$ ☐

$17 + 4 = 3 \times 7$ ☐

$6 \times 3 = 5 \times 4$ ☐

$55 \div 11 = 2 + 3$ ☐

$7 \times 9 = 70 - 7$ ☐

$76 - 19 = 49 + 9$ ☐

$19 + 87 = 87 - 1 + 20$ ☐

$109 + 30 - 1 = 110 + 29$ ☐

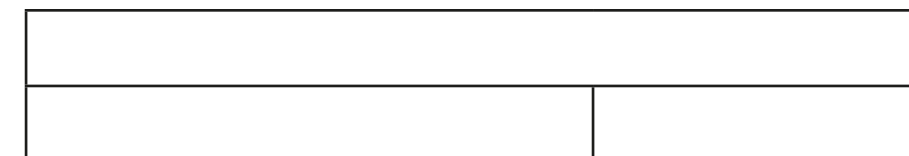
$423 - 99 = 423 + 1 - 100$ ☐

$23 \times 99 = 2,300 - 23$ ☐

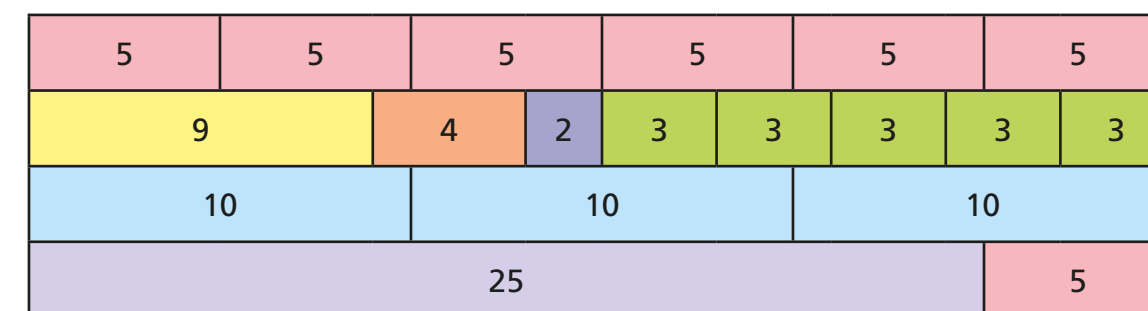
$7,878 - 78 = 99 \times 78$ ☐

$6,823 \times 999 = 6,823,000 - 6,823$ ☐

3 Complete the bar model to show that $50 + 30 = 80$



4 Here is a number wall.



How many equations can you write using this number wall?

Two have been done for you.

$6 \times 5 = 3 \times 10$ and $3 \times 5 = 9 + 4 + 2$

5 Complete the equations.

a) $9 + 6 = 5 +$

f) $20 \div$ $= 60 \div 12$

b) $30 - 7 =$ $+ 19$

g) $0.9 + 2 = 3 -$

c) $+ 7 = 11 \times 6$

h) $- 0.4 = 1.3 - 0.7$

d) $6 \times$ $= 48 \div 4$

i) $8 \div 0.4 =$ $\div 4$

e) $\div 3 = 18 \div 6$

6 Write integers in the boxes to make the calculations correct.

a) $6 + 5 = \square + \square$

b) $\square \times \square = 55 - 7$

c) $8 \times 7 = \square - \square$

How many different answers can you find?

7 Jack is finding the missing number in the equation.

$4,891 + 325 = 326 + \square$

326 is 1 more than 325 so to maintain equality the missing number must be 1 less than 4,891



Is Jack correct? _____

Explain your answer.



8 Use Jack's method to find the missing numbers in the equations.

a) $7,823 + \square = 342 + 7,820$

b) $\square + 29,403 = 785 + 29,410$

Does the same method work when subtraction is involved?
Investigate by finding the missing numbers in the equations.

c) $2,372 - 749 = \square - 750$

d) $385 - \square = 390 - 242$

9 Find the missing numbers. Explain your method.

a) $20 \div 4 = 200 \div \square$

b) $70 \times 5 = \square \div 2$

c) $4,800 \div 12 = 4.8 \div \square$
