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 × 7 ☐

56 ÷ 7 = 6 ☐

2 Which calculations are correct? Tick your answers.

9 + 8 = 6 + 12 ☐

17 + 4 = 3 × 7 ☐

6 x 3 = 5 × 4 ☐

55 ÷ 11 = 2 + 3 ☐

7 x 9 = 70 – 7 ☐

76 – 19 = 49 + 9 ☐

19 + 87 = 87 – 1 + 20 ☐

109 + 30 – 1 = 110 + 29 ☐

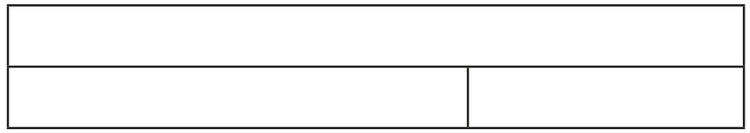
423 – 99 = 423 + 1 – 100 ☐

23 × 99 = 2,300 – 23 ☐

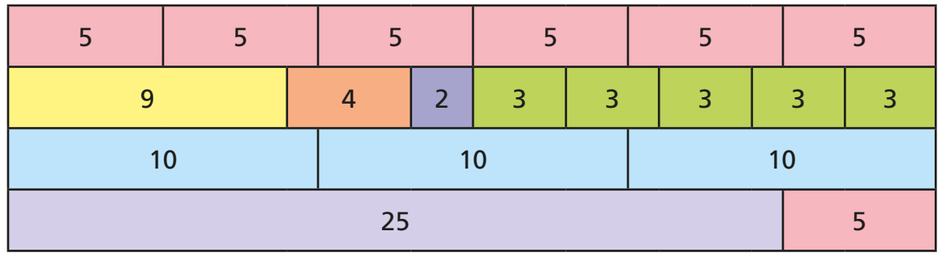
7,878 – 78 = 99 × 78 ☐

6,823 × 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 × 5 = 3 × 10 and 3 × 5 = 9 + 4 + 2

5 Complete the equations.

a) 9 + 6 = 5 + ☐

b) 30 – 7 = ☐ + 19

c) ☐ + 7 = 11 × 6

d) 6 × ☐ = 48 ÷ 4

e) ☐ ÷ 3 = 18 ÷ 6

f) 20 ÷ ☐ = 60 ÷ 12

g) 0.9 + 2 = 3 – ☐

h) ☐ – 0.4 = 1.3 – 0.7

i) 8 ÷ 0.4 = ☐ ÷ 4

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

a) 6 + 5 = ☐ + ☐

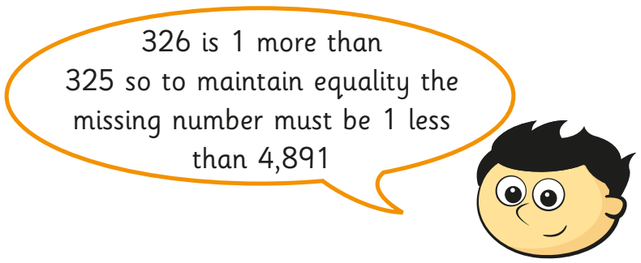
b) ☐ × ☐ = 55 – 7

c) 8 × 7 = ☐ – ☐

How many different answers can you find?

7 Jack is finding the missing number in the equation.

4,891 + 325 = 326 + ☐



Is Jack correct? _____

Explain your answer.

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_____

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

a) 7,823 + ☐ = 342 + 7,820

b) ☐ + 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 = ☐ – 750

d) 385 – ☐ = 390 – 242

9 Find the missing numbers. Explain your method.

a) 20 ÷ 4 = 200 ÷ ☐

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b) 70 × 5 = ☐ ÷ 2

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c) 4,800 ÷ 12 = 4.8 ÷ ☐

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