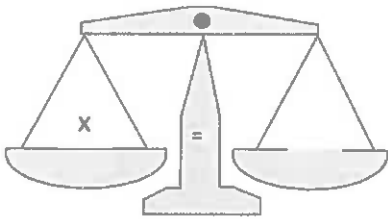
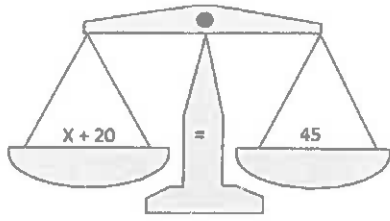
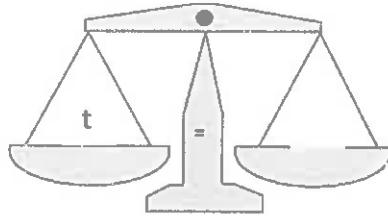
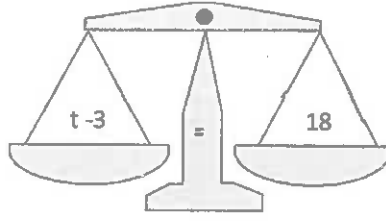


Balancing Equations Worksheet

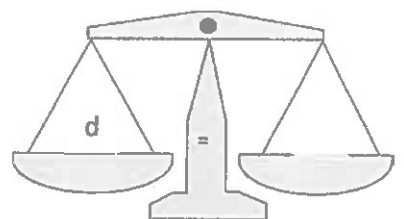
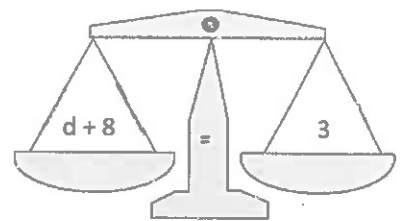
1.



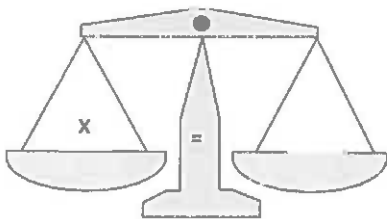
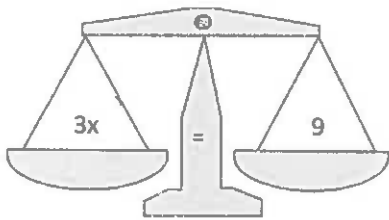
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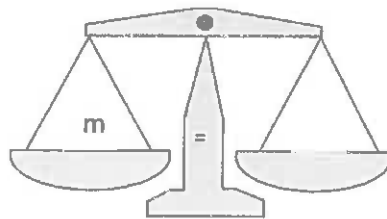
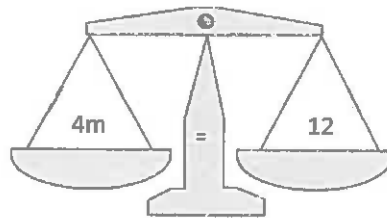
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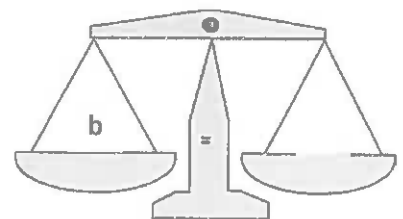
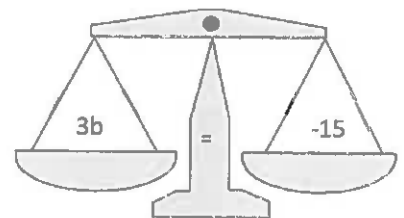
4.



5.



6.



Exercise G

In each of the following put the correct number in the right hand dish of the second and third diagrams to keep the scales in balance.

1.

Diagram 1 shows a balance scale. In the first state, the left pan contains $2c + 9$ and the right pan contains 21 . In the second state, the left pan contains $2c$ and the right pan is empty. In the third state, the left pan contains c and the right pan is empty.

2.

Diagram 2 shows a balance scale. In the first state, the left pan contains $5x - 1$ and the right pan contains 39 . In the second state, the left pan contains $5x$ and the right pan is empty. In the third state, the left pan contains x and the right pan is empty.

3.

Diagram 3 shows a balance scale. In the first state, the left pan contains $4a + 7$ and the right pan contains 19 . In the second state, the left pan contains $4a$ and the right pan is empty. In the third state, the left pan contains a and the right pan is empty.

4.

Diagram 4 shows a balance scale. In the first state, the left pan contains $7 + 2k$ and the right pan contains 19 . In the second state, the left pan contains $2k$ and the right pan is empty. In the third state, the left pan contains k and the right pan is empty.

5.

Diagram 5 shows a balance scale. In the first state, the left pan contains $5x + 7$ and the right pan contains 42 . In the second state, the left pan contains $5x$ and the right pan is empty. In the third state, the left pan contains x and the right pan is empty.

6.

Diagram 6 shows a balance scale. In the first state, the left pan contains $3e - 11$ and the right pan contains 25 . In the second state, the left pan contains $3e$ and the right pan is empty. In the third state, the left pan contains e and the right pan is empty.