



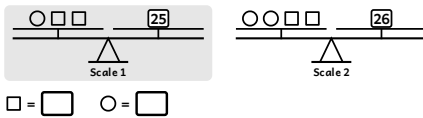
Learn a new puzzle

Balance Puzzles

Each scale is level: both sides weigh the same. Find what each shape weighs.

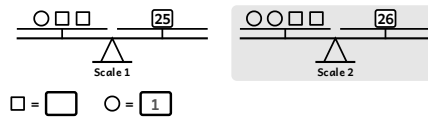
Trick: **Take away**

1



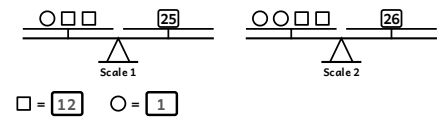
Both sides of each scale weigh the same. Look at what scale 2 has more of.

2



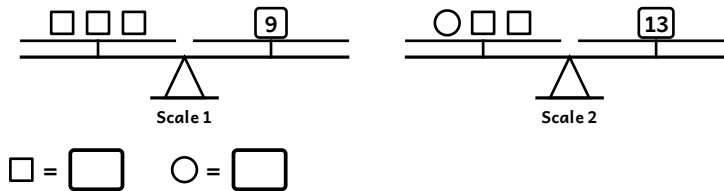
Take scale 1 away from scale 2: what is left, 1 circle, weighs 1. So 1 circle weighs 1.

3



On scale 1, the circle is 1, so 2 squares weigh 24: 1 square weighs $24 \div 2 = 12$.

Try it

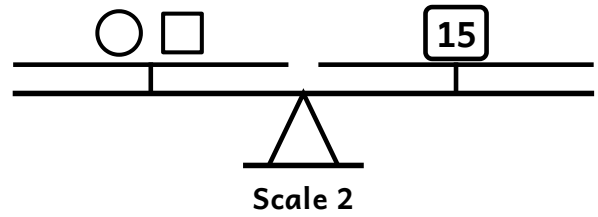
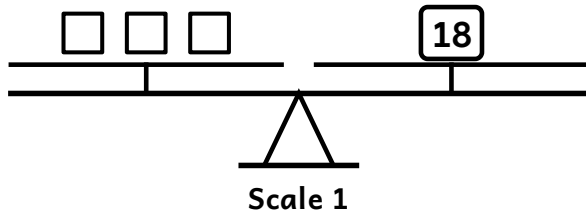


The answer is with the other answers.

Talk about it: Ask: What is on one scale but not the other? What must it weigh?

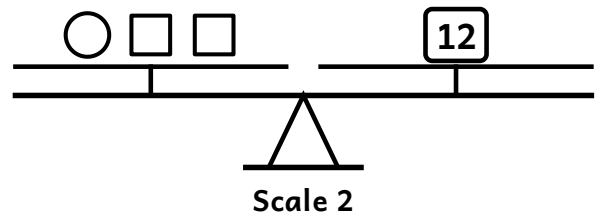
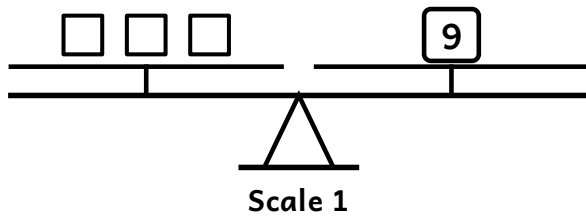


1 Balance Puzzles Each scale is level. Find what each shape weighs.



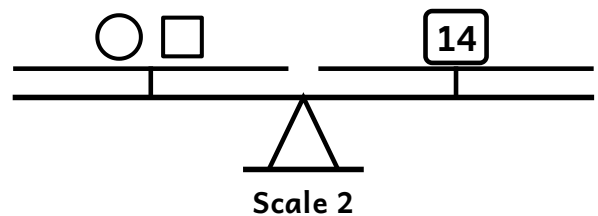
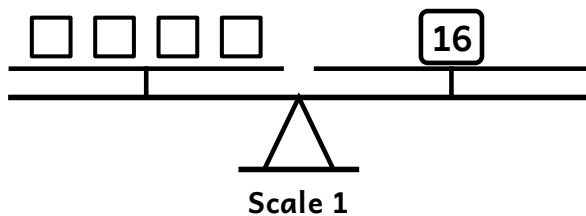
$$\square = \square \quad \bigcirc = \square$$

2 Balance Puzzles Each scale is level. Find what each shape weighs.



$$\square = \square \quad \bigcirc = \square$$

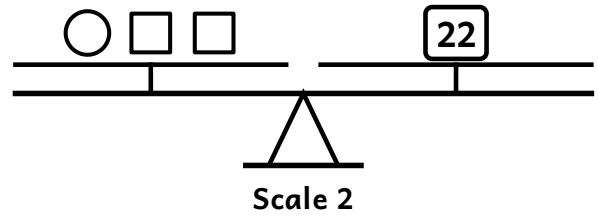
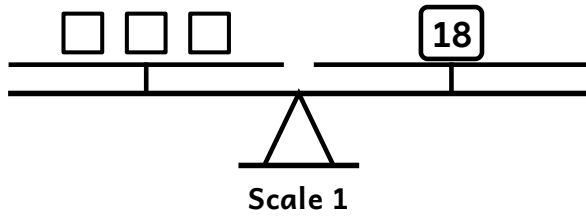
3 Balance Puzzles Each scale is level. Find what each shape weighs.



$$\square = \square \quad \bigcirc = \square$$

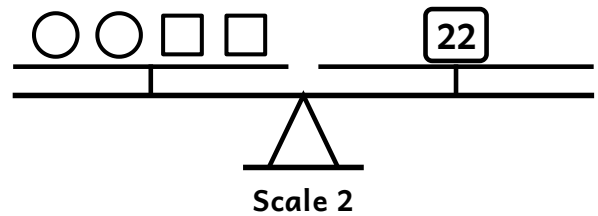
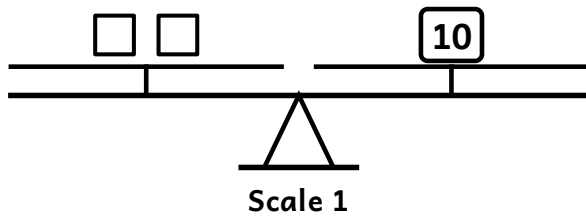


④ **Balance Puzzles** Each scale is level. Find what each shape weighs.



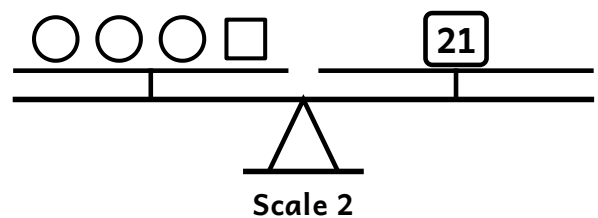
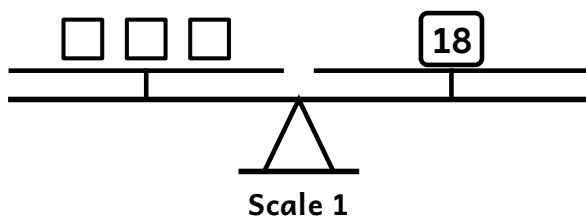
$\square = \square$ $\bigcirc = \square$

⑤ **Balance Puzzles** Each scale is level. Find what each shape weighs.



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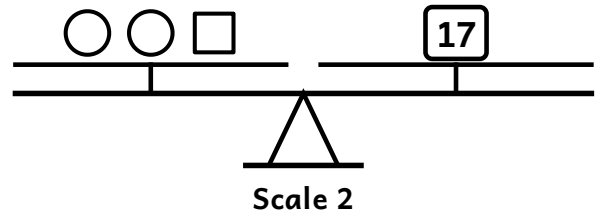
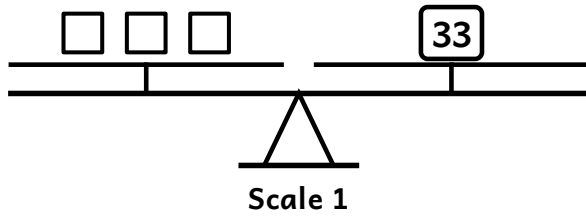
⑥ **Balance Puzzles** Each scale is level. Find what each shape weighs.



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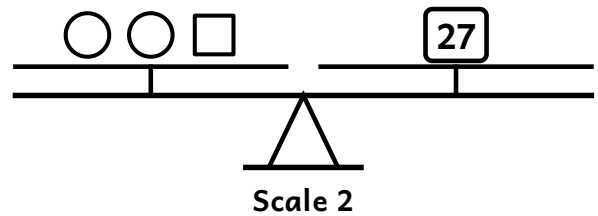
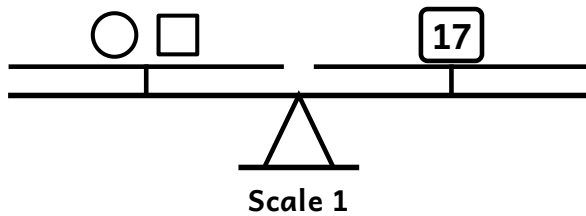


7 Balance Puzzles Each scale is level. Find what each shape weighs.



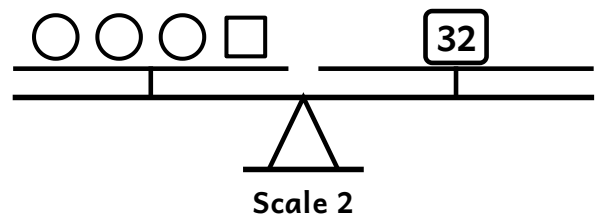
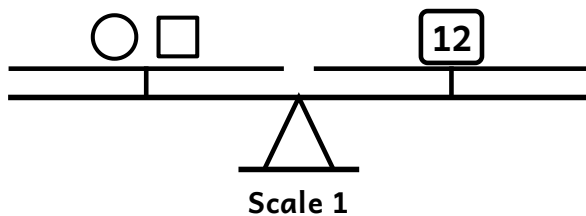
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8 Balance Puzzles Each scale is level. Find what each shape weighs.



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9 Balance Puzzles Each scale is level. Find what each shape weighs.

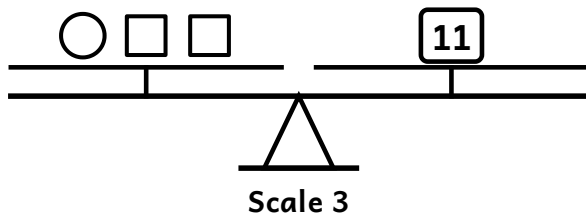
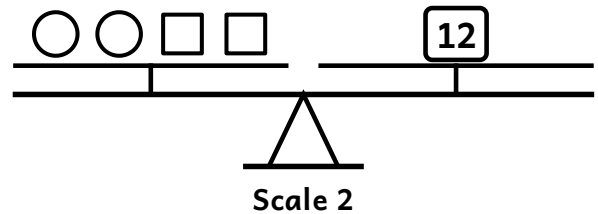
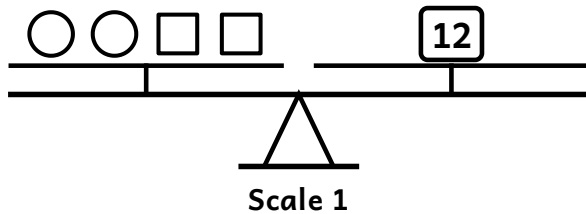


$\square = \square$ $\bigcirc = \square$



10

Balance Puzzles Each scale is level. Find what each shape weighs.



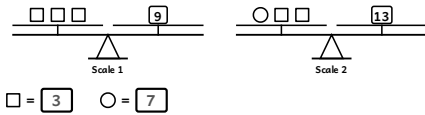
$\square = \square$ $\bigcirc = \square$



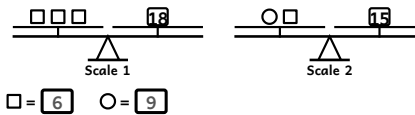
Answers

For grown-ups. Cut off or keep this page aside until the puzzles are done.

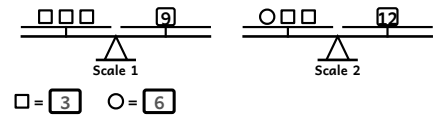
Learn · Balance Puzzles



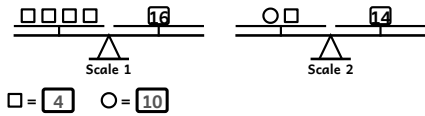
#1



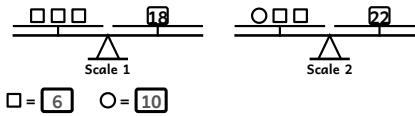
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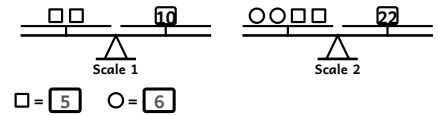
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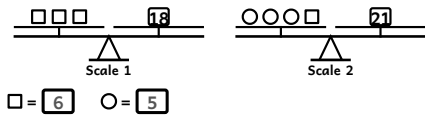
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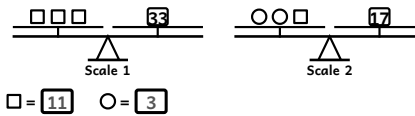
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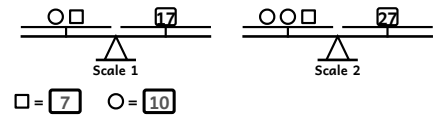
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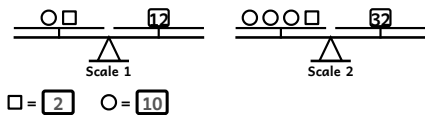
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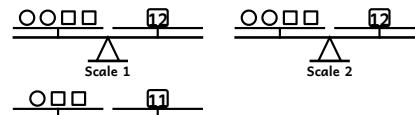
#8



#9



#10



Take scale 1 away from scale 2: what is left, 2 circles, weigh 20. So 2 circles weigh 20: 1 circle weighs $20 \div 2 = 10$. On scale 1, the circle is 10, so 1 square weighs 2.

Take scale 3 away from scale 1: what is left, 1 circle, weighs 1. So 1 circle weighs 1. On scale 1, the circle is 1, so 2 squares weigh 10: 1 square weighs $10 \div 2 = 5$.