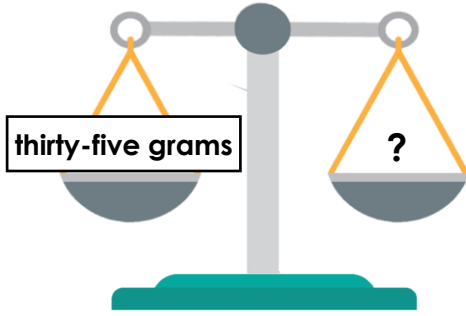


Measure Mass 1

1. Circle the weights that would balance this weighing scale.



2 g 10 g 5 g 10 g 10 g

VF

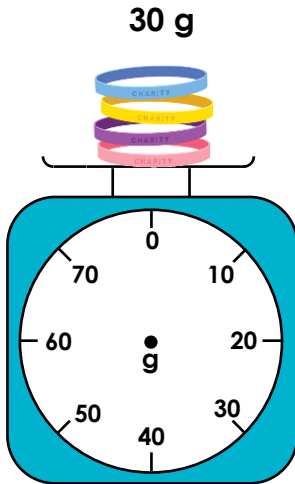
4. The marbles weigh 75 g, which is 25 g lighter than the three bottles combined.



What could the mass of each bottle be? Find 2 possible answers.

PS

2. Draw an arrow in the correct position on the scales.

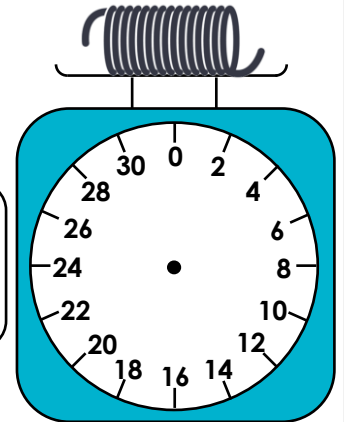


VF

5. Trixie knows that her toy weighs 15 g more than the spring which is 6 g. She says,



The mass of my toy can be measured by this scale.

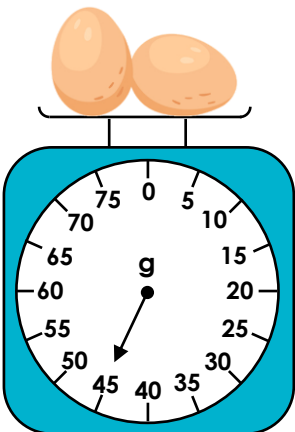


Do you agree with Trixie? Convince me.

R

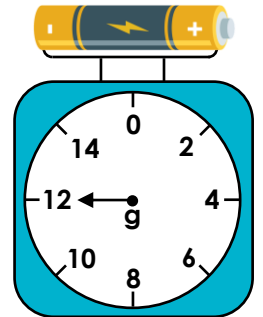
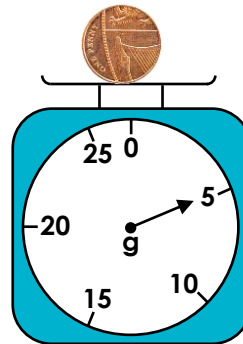
3. Tick the mass shown on the scales.

less than 10 g 40 g 5 g less than 50 g



VF

6. A metal straw weighs at least 3 g more than the coin but less than the battery.



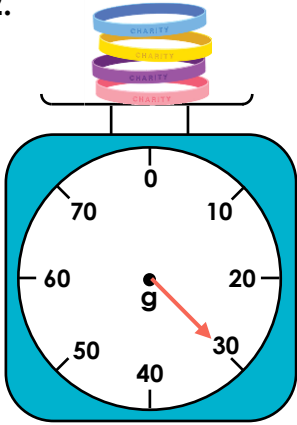
What could the mass of the straw be? Give 3 possible answers.

PS

Measure Mass 1

1. 10 g, 5 g, 10 g and 10 g

2.



3. 5 g less than 50 g

4. Various answers, for example: the three bottles could be 40 g, 45 g and 15 g; or 35 g, 40 g and 25 g.

5. Yes, I agree with Trixie. Her toy must have a mass of 21 g because $15\text{ g} + 6\text{ g} = 21\text{ g}$. Even though 21 g is not labelled on this scale, it falls halfway between 20 g and 22 g so it is still possible for this mass to be shown.

6. Various answers, for example: 9 g, 10 g or 11 g