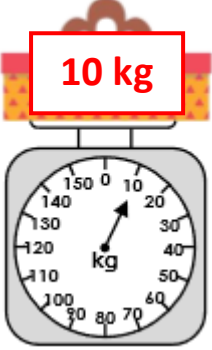
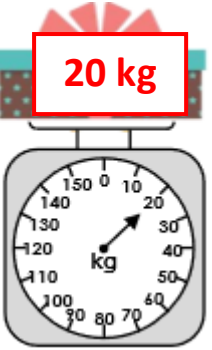
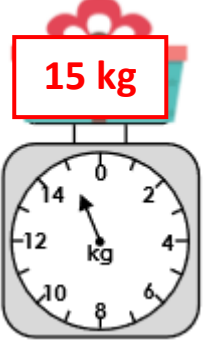
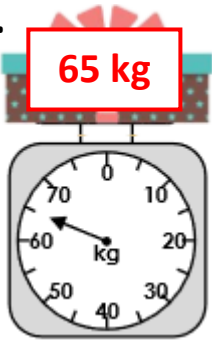
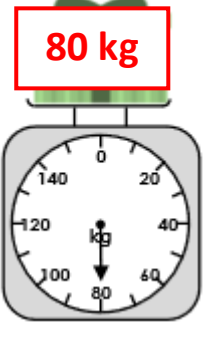
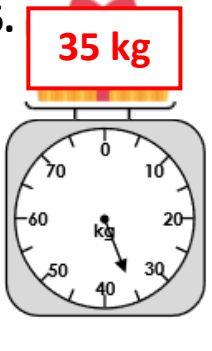


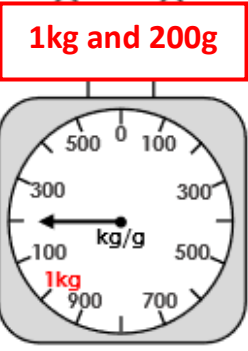
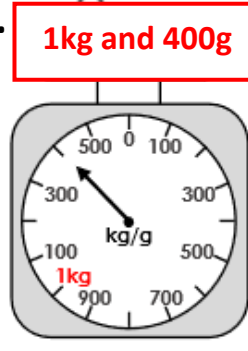
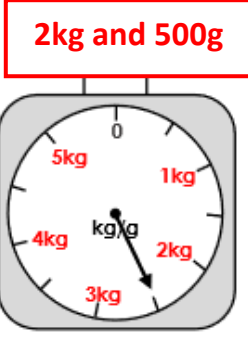
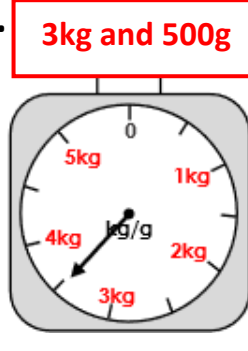
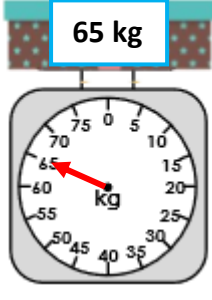
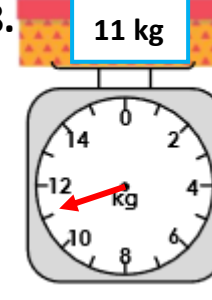
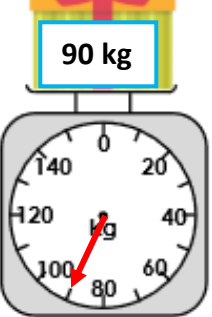
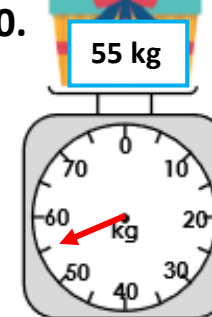
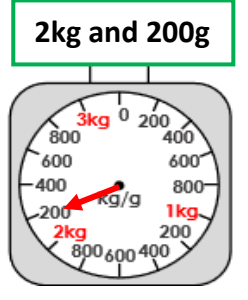
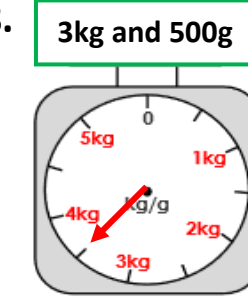
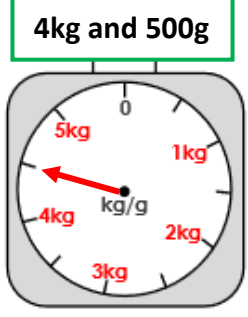
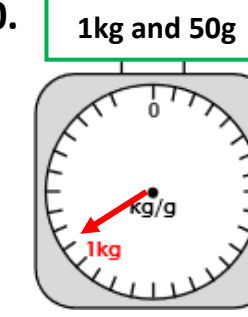


ANSWERS

| Task 1 | Task 2 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Practice <u>What weight do the scales show?</u></p> <p>1.  10 kg</p> <p>2.  20 kg</p> <p>3.  15 kg</p> <p>4.  65 kg</p> <p>5.  80 kg</p> <p>6.  35 kg</p> | <p>Practice <u>What weight do the scales show?</u></p> <p>1.  1kg and 300g</p> <p>2.  1kg and 500g</p> <p>3.  1kg and 200g</p> <p>4.  1kg and 400g</p> <p>5.  2kg and 500g</p> <p>6.  3kg and 500g</p> |
| <p><u>Add arrows to the scales to show:</u></p> <p>7.  65 kg</p> <p>8.  11 kg</p> <p>9.  90 kg</p> <p>10.  55 kg</p> | <p><u>Add arrows to the scales to show:</u></p> <p>7.  2kg and 200g</p> <p>8.  3kg and 500g</p> <p>9.  4kg and 500g</p> <p>10.  1kg and 50g</p> |

Task 3

Reasoning

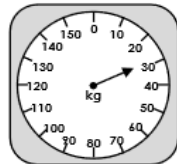
Explain your answers.

3a. The scale shows how much a child weighs.



Hanna

I weigh 3kg.



Is Hanna correct? How can you tell?

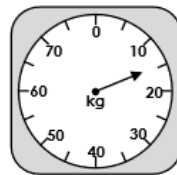
3a. She is incorrect because the scale shows 30kg.

6a. The scale shows how much a child weighs.



Joel

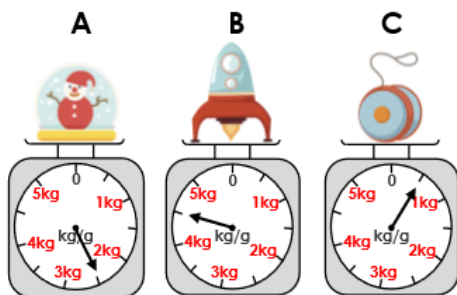
My brother weighs 11kg.



Is Joel correct? How can you tell?

6a. He is incorrect because half way between 10 and 20 is 15 not 11.

7a. Which scale shows the heaviest mass?



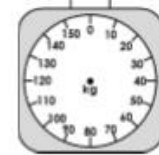
Explain your answer.

7a. B because 4kg and 500g is heavier than 2kg and 500g or 500g.

Task 4

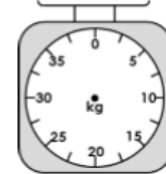
Problem solving

2b. The box of toys weighs more than 30kg but less than 50kg. What could the weight be?



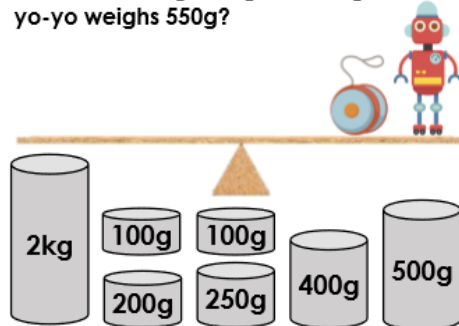
40kg

5b. The books weigh more than 5kg but less than 20kg. What could the weight be?



Various answers, including: 10kg, 15kg

8b. Which weights will balance the scales if the robot weighs 2kg and 400g and the yo-yo weighs 550g?



8b. 2kg + 400g + 250g + 200g + 100g or 2kg + 500g + 250g + 100g + 100g or 2kg + 500g + 200g + 250g

Challenge

1. Robber Bob has stolen some trophies from the local football club.

Which trophies could be in his swag bag?

Various possible answers, for example: Soccer Super Stars + Champions Cup = 14kg



Soccer Super Stars

5kg and 500g



Champions Cup

8kg and 500g



League Champions

3kg



Fair Play Shield

1kg



FE Cup

4kg and 500g

What are the possibilities if there were more than one of each trophy?

Various possible answers, for example: Soccer Super Stars, FE Cup and 4 x Fair Play Shield.

