

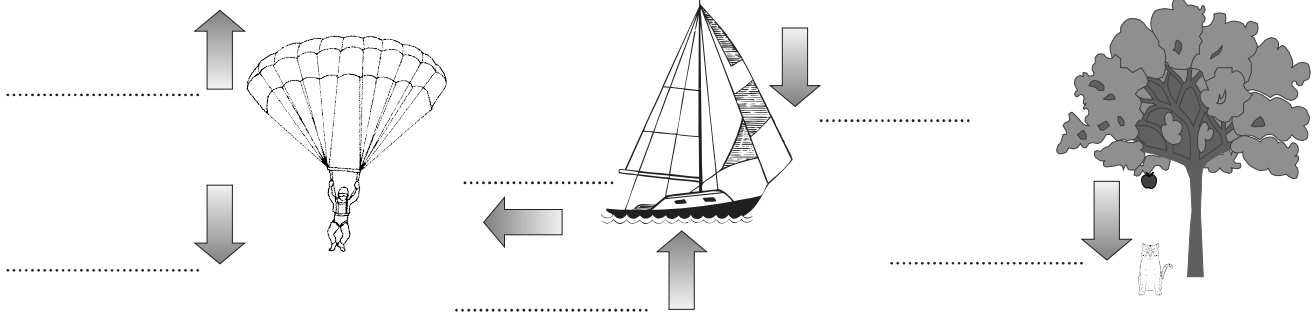
1 Name the different forces in each of the pictures. Choose from the words below.

air resistance

water resistance

gravity

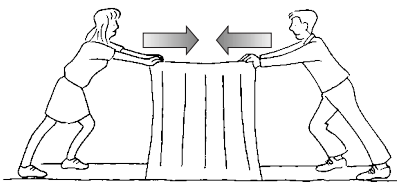
upthrust



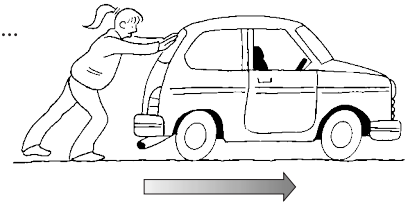
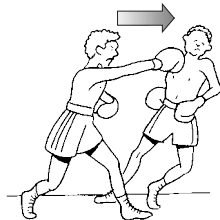
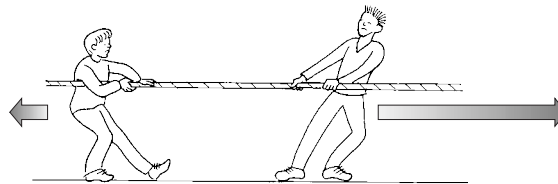
2 Decide if the box in each of the diagrams would be moving.

Write underneath if it is **moving/not moving**. If it is moving, show the direction it is going in.

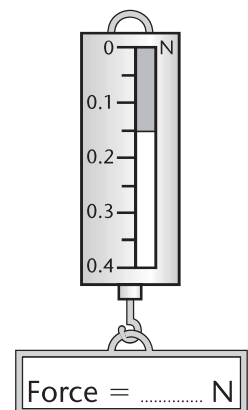
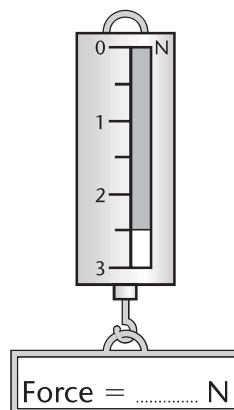
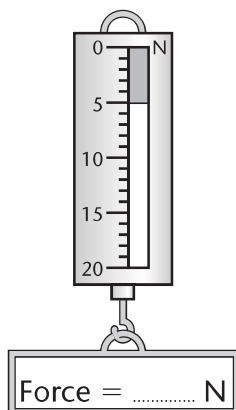
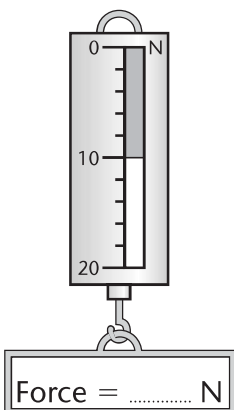
The first one has been done for you.



not moving



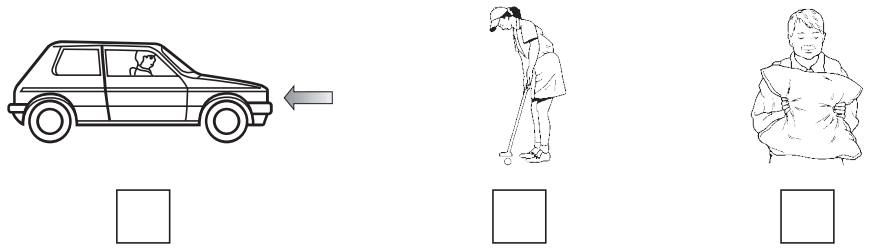
3 Forces are measured in newtons using a forcemeter. What force does each forcemeter show?



1 Forces are pushes or pulls. Forces can make things happen. They can:

- A start an object moving
- B slow down a moving object
- C make an object change shape.

Statement A, B or C describes what the force is doing in each picture. Put the correct letter in the box beneath each picture.

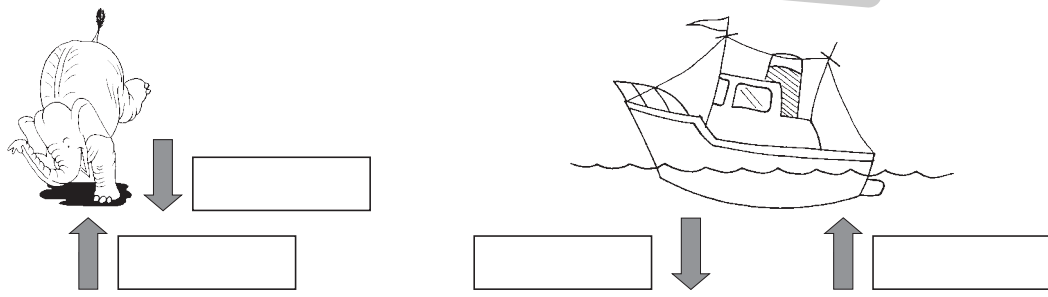


Three empty square boxes are positioned below each of the three illustrations respectively.

2 We show forces acting on objects by using arrows. The arrows show the direction in which the forces act.

Write the name of the correct force against each arrow. Choose from the list below.

- upthrust
- gravity
- weight
- friction
- air resistance
- water resistance



3 Look at the pictures opposite. Compare the forces shown on the force meters.

a What do you notice about the size of the force as the block of wood is lowered into the water?

.....  
 .....

b Can you think why this might happen?

.....  
 .....

