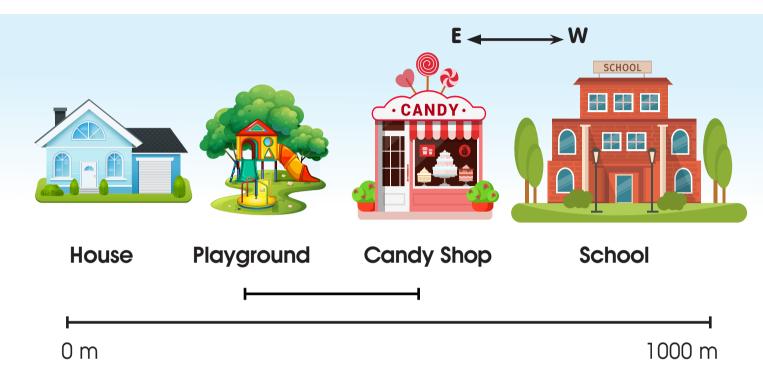
Answers



Describe the position of the Candy Shop in relation to the Playground.

The Candy Shop is 400 m west of the Playground.

Describe the position of the House in relation to the School.

The House is 1000 m east of the School

If you were to walk from the school to the Candy Shop, what direction would you have to go?

I would be walking east.

140

1

Speed is a measure of the distance an object moves in a given amount of time.

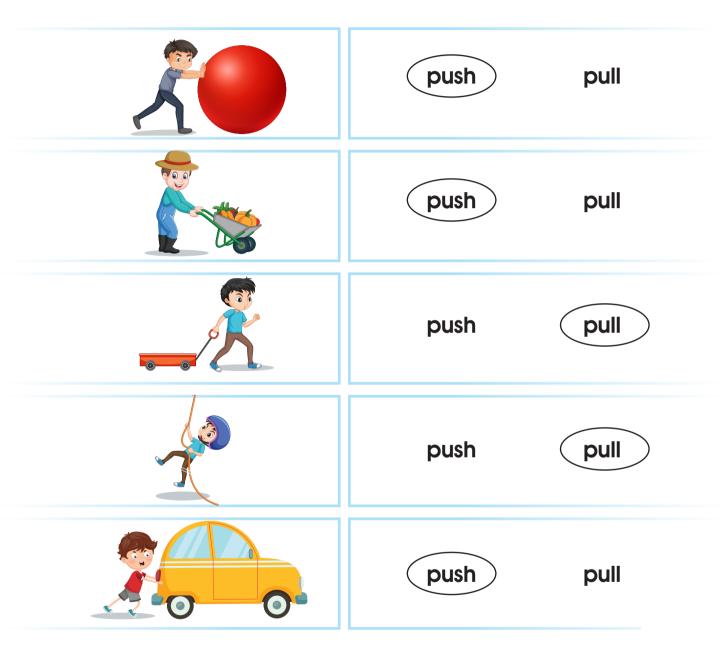
Complete the following table in which data from a swimming race were recorded.

Swimmer	Distance (d) m	Time (t) sec	Speed (d/t) m/min
Swimmer (1)	500	80	6.25 m/min
Swimmer (2)	460	40	11.5 m/min
Swimmer (3)	300	50	6 m/min
Swimmer (4)	200	25	8 m/min

Which swimmer won the race?
Swimmer (2)

Worksheet (141)

Answers



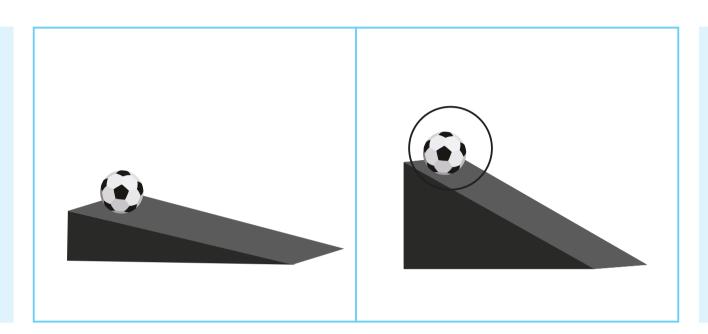
2 Is it easier to pull or push something with a rope?

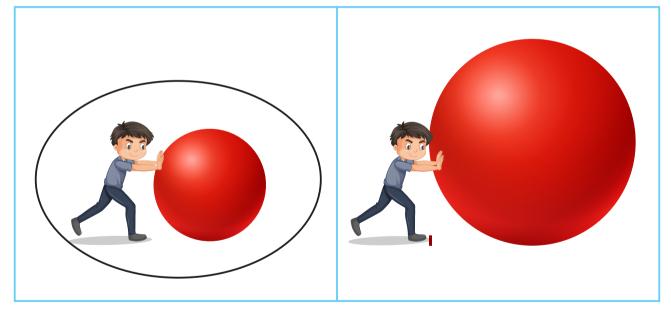
It is easier to pull something with a rope.

	1	Friction is a force that two surfaces exert on each other	
	~~	when they rub against each other.	
4	2	Define motion. Motion is the change in an object's position.	
	~~		
4	3	Write (T) for true statements and (F) fur false statements.	
		a- The reference point is the starting point we choose to describe the location (position) of an object.	
	~~	b- To describe an object's motion you don't have to know where the object is.	
	~~	c- We always use the same unit to measure speed. F	
		d- A force is a pull or push. T	
	~~	e- The strength of a force is measured in a unit called "Newton" (N) . T	
		f- We use the winter scale to measure force. F	
	~	g- The smoother the surface, the faster an object would move across it.	

Worksheet

Answers





Is it easier to push or pull a ball uphill? Why?

It is easier to push a ball downhill because gravity helps
pull objects downwards.

1	Matter is anything that has mass and takes up space.
_	
2	Define mass.
	Mass is the amount of matter in an object.
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
3	Define weight.
	Weight is the measure of the pull of gravity on an object.
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
4	Answer true or false.
	a- All objects are attracted toward the center of the
	planet by the force of the earth's gravity. \Box
	b- Weight is measured by a summer scale.
	c- Weight is measured in a unit called Newton (N). (T)
	d- If you have measured the mass and the volume of
	an object, you can calculate its density. T
Works	sheet

Answers

1- A snack mixture of raisins, walnuts, and peanuts cannot be separated.

- a-True
- (b)False
- Which of the following are mixtures?
 - (a-)Fruit salad

c-Salt

b- Flour

d-wood

- 3 Which of the following is not a mixture?
 - a-Flour and sugar

c- Atmosphere

b- Iron filings and charcoal

(d-)Salt

4 How can we separate a mixture of iron filings and sand?

a-Sifting

c-Filtering

(b-)Magnet

d-Burning

- 5 Select two options that are true about mixtures.
 - (a-)Two or more substances mixed together but not chemically combined.
 - b- Most substance will explode when mixed.
 - c-Substances in a mixture maintain their own properties.
 - d-Only liquids can be combined to form mixtures.

Ρ Butter melting. 1 Ρ 2 A glass cracking when heated. 3 Ρ Water exposed to extreme cold becomes ice. Ρ 4 Melting a lead bar. 5 C Burning sugar for caramel. P 6 Dissolving sugar in water. Ρ Tearing a piece of paper. 8 C A metal spoon rusting. 9 C Frying fish. 10 What are chemical and physical changes? Physical change is a change in which no new substances are formed. Chemical change is a change where new substances are produced with properties different from those of the

original substances.

Worksheet