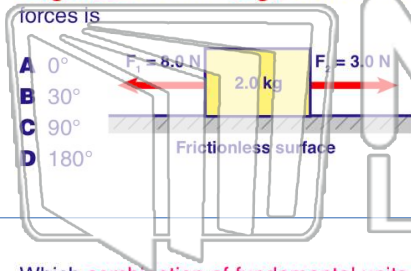**Phys Sci**

Name_____ Class_____ Date_____

1 Two forces act concurrently on an object. Their **resultant force** has the **largest magnitude** when the **angle** between the forces is

A 0°
B 30°
C 90°
D 180°

$F_1 = 8.0$ N   2.0 kg $F_2 = 3.0$ N
Frictionless surface

2 The **mass** of a physics textbook is closest to

A 10^3 kg
B 10^1 kg
C 10^0 kg
D 10^{-2} kg

3 Which combination of fundamental units can be used to express the **weight** of an object?

4 When a student looks into a **plane mirror**, she sees a **virtual image** of herself. However, when she looks into a sheet of paper, no such image forms.
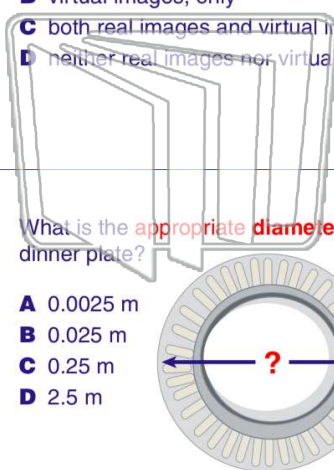
5

PREVIEW

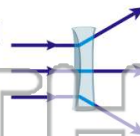Please Sign In or Sign Up to download the printable version of this worksheet

7

A real images, only
B virtual images, only
C both real images and virtual images
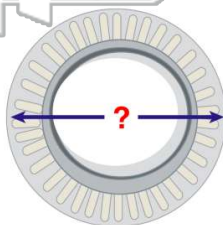D neither real images nor virtual images

of **-0.20 meter**. Compared to the object, the **image** formed by the lens is

A smaller, inverted, and real
B larger, inverted, and real
C smaller, erect, and virtual
D larger, erect, and virtual

9 What is the appropriate **diameter** of a dinner plate?

A 0.0025 m
B 0.025 m
C 0.25 m
D 2.5 m

10 A man weighs **900 newtons** standing on a scale in a stationary elevator. If some time later the reading on the scale is **1200 newtons**, the **elevator** must be moving with
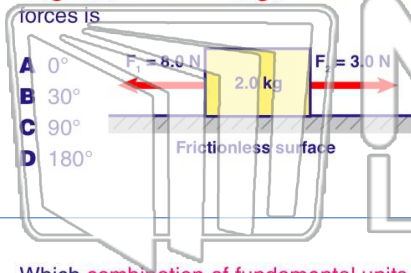
A constant acceleration downward
B constant speed downward
C constant acceleration upward
D constant speed upward

Name_____ Class_____ Date_____

1 Two forces act concurrently on an object. Their **resultant force** has the **largest magnitude** when the **angle** between the forces is

A 0°
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$F_1 = 8.0$ N $F_2 = 3.0$ N   2.0 kg
Frictionless surface

(A)

2 The **mass** of a physics textbook is closest to

A 10^3 kg
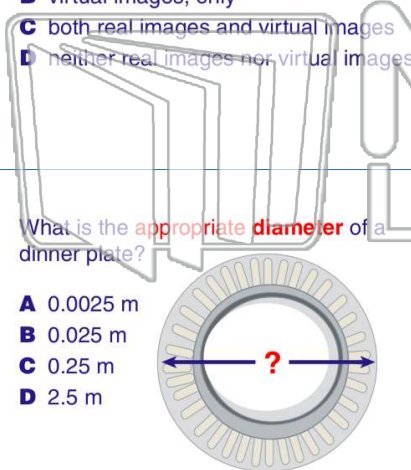B 10^1 kg
C 10^0 kg
D 10^{-2} kg

(C)

3 Which combination of fundamental units can be used to express the **weight** of an object?

4 When a student looks into a **plane mirror**, she sees a **virtual image** of herself. However, when she looks into a sheet of paper, no such image forms.

(B)

5

(A)

7

A real images, only
B virtual images, only
C both real images and virtual images
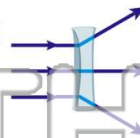D neither real images nor virtual images

(A)

of **-0.20 meter**. Compared to the object, the **image** formed by the lens is

A smaller, inverted, and real
B larger, inverted, and real
C smaller, erect, and virtual
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(C)

9 What is the appropriate **diameter** of a dinner plate?

A 0.0025 m
B 0.025 m
C 0.25 m
D 2.5 m

?

(C)

10 A man weighs **900 newtons** standing on a scale in a stationary elevator. If some time later the reading on the scale is **1200 newtons**, the **elevator** must be moving with

A constant acceleration downward
B constant speed downward
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D constant speed upward

(C)