CLASS VIII, SUBJECT – PHYSICS
ANSWER KEY TO WORKSHEET 3

QUESTION 1. TRUE/FALSE

a) **Answer:** False.

b) **Answer:** False.

c) **Answer:** True.

d) **Answer:** True.

e) **Answer:** False.

f) **Answer:** True

g) **Answer:** False.

h) **Answer:** False.

i) **Answer:** True.

j) **Answer:** False.

k) **Answer:** True.

l) **Answer:** True.

m) **Answer:** True.

n) **Answer:** False.

Question 2. Fill in the blanks:

a) **10 N** (nearly) b) force   c) farthest

d) newton.   e) normal   f) unit

g) pascal   h) area of surface   i) liquid increases   j) Pa.

Question 3. Match the following:

Column A	Column B
(a) Camel	(ii) broad feet
(b) Truck	(iii) six or eight tyre
(c) Knife	(iv) sharp cutting edge
(d) High building	(i) broad and deep foundation
(e) Thrust	(vi) N
(f) Moment of force	(vii) N m
(g) Atmospheric pressure	(v) atm

Question 4 Solutions to Select the correct alternative:

(a) Solution: 4. N m

(b) Solution: 3. applying the force farthest from the pivoted point

(c) Solution: 1. kgf

(d) Solution: 3. N

(e) Solution: 3. Pressure = Thrust/Area

(f) Solution: 3. 50 kgf

(g) Solution: 3. suction pads

(h) Solution: 1. weight

(i) Solution: 1. increase in depth

(j) Solution: 2. 100,000 Pa

(k) Solution: 1. the atmospheric pressure decreases

Question 5. 2000 Pa

Question 6. 0.5 Nm

Question 7. 10000 Pa

Question 8. 25,000 N

Question 9. 0.2 m²

Question 10. 10 N/cm² = 100,000 Pa

Question 11. 2 N

Question 12. Refer the summary and the ppt.