## Lesson11 Shapes

## § 1 One－dimensional and two－dimensional shapes

1．英語では点，直線，曲線，角，平行線，垂直線，水平線，対角線は各々次のよう にいう。


A．次の文を読んで，質問に答えなさい。

The letter＇ E ＇has one vertical line and three horizontal lines．
It also has four angles．
Which of these letters are described below？

$$
\mathbf{D}, \mathbf{M}, \mathbf{C}, \mathbf{H}, \mathbf{F}, \mathbf{L}, \mathbf{Z}, \mathbf{B}
$$

a）A letter with 1 curved line and no straight lines． $\qquad$
b）A letter with 2 curved lines and 1 vertical line． $\qquad$
c）A letter with 2 parallel vertical lines， 1 horizontal line and 4 angles． $\qquad$
d）A letter with 2 vertical lines and 2 diagonal lines． $\qquad$

B．次の記号を説明する文を例にならって書きなさい。
$+$ the plus sign

the multiplication sign the division sign

【例】＝The equal sign has two horizontal，parallel straight lines．
a）+ $\qquad$
b）$X$ $\qquad$
c）$\div$ $\qquad$

[^0]線の，斜めの」 dimensional［diménfanl］「～次元の」

2．英語では円，正方形，長方形，三角形，半円を各々次のようにいう。

a circle

a square

a rectangle

a triangle

a semi－circle

A．次の質問に答えなさい。
a）Which figure always has equal sides？
b）Which figure has 3 angles？
c）Which figure has a curved side and a straight side？

B．例にならって次の空欄を埋めなさい。


【例】 A coin is shaped like a circle．It is circular in shape．
a）A ruler is shaped like a rectangle．It is $\qquad$ in shape．
b）A set square is shaped like a triangle．It is $\qquad$ in shape．
c）A protractor is shaped like a semi－circle．It is $\qquad$ in shape．
d）A chess－board is shaped like a square．It is $\qquad$ in shape．

3．次の地図を見て質問に答えなさい。

e）Which streets meet at an angle of 90 degrees（at right angles）？

## § 2 Three－dimensional shapes

4．英語では球，半球，円柱，立方体，直方体，円錐を各々次のようにいう。


それぞれの立体の形を説明する文を例にならって作りなさい。
【例】 A sphere has one surface．It is curved．
A cube has 6 surfaces．They are all flat and square．
a）A hemisphere
b）A rectangular prism
c）A cylinder $\qquad$
d）A cone $\qquad$

5．次の説明を読み，問に答えなさい。


The cross－section of a cylinder is circular．The longitudinal section is rectangular．The sides of a cylinder are parallel．The sides of a cone are tapering．
a）What shape is the cross－section of a sphere？
b）What shape is the longitudinal section of a hemisphere？
c）Which solid is rectangular in cross－section？
d）In longitudinal section，are the sides of a cylinder parallel or tapering？
e）What shape is the cross－section of a cone？
$\qquad$

6．次の空欄に適語を入れなさい。
a）Cylindrical $=$ shaped like a $\qquad$
b）Cubic＝shaped like a $\qquad$
c）Conical＝shaped like a $\qquad$
d）Spherical＝shaped like a $\qquad$

7．下の絵を見ながら C D を聞き，空欄に適語を書き入れなさい。（ ）


In this apparatus，the bottom of the flask is 1） $\qquad$ in shape．The flask is in a 2 ） $\qquad$ position．The stand is 3） $\qquad$ ．The gas－jar is 4） $\qquad$ in shape．The burner is also 5） $\qquad$ The air－vent is 6） $\qquad$ ．The flame is 7） $\qquad$ ．The bottom of the trough is 8 ） $\qquad$ ．The hole at the bottom of the gas－jar is 9） $\qquad$ in shape．The top of the tripod is 10 ） $\qquad$ ．In cross－section，the tube is 11） $\qquad$ ．
apparatus［æ̀pərátəs］「実験装㥜」 trough［tró（：）f］「水槽」air－vent「通気調整口」
tripod［traipad］「三脚」 gas－jar「集気びん」


[^0]:    vertical［váırtikl］「垂直の」 horizontal［hう̀（：）razántl］「水平の」 diagonal［daiǽgənl］「対角

