

Education and Manpower Bureau
Territory-wide System Assessment 2007
Primary 3
Mathematics

Instructions:

1. There are 36 questions in this test.
2. Answer all questions.
3. Time allowed is 40 minutes.
4. Use of calculators is not allowed.
5. Write your answers in this Question-Answer Booklet.

(a) Multiple choice questions:

Mark your answers by putting a “✓” in the “○”, e.g.:

$$2 + 3 =$$

○ A. 4 ☒ B. 5 ○ C. 6 ○ D. 7

(b) Questions in which you are asked to “Show your working”:

Write your mathematical expressions, answers and statements/conclusions in the space provided. There is NO need to show your rough work.

(c) Other types of questions:

Answer as required in the space provided.

6. Do your rough work on the rough work sheet provided.
7. Write your School Code, Class and Class Number in the boxes below.

School Code
學校編號

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(5)

Class
班別

3	
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Write one capital letter in this box
此格只許填寫一個大楷英文字母

Class No.
班號

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(11)

1. In the number 70 418,

(a) the digit in the hundreds place is _____, and

(b) the value of the digit '7' is _____.

1 mark (12)

1 mark (13)

2.

3	0	8	2	5
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Arrange the 5 number cards above to form the smallest 5-digit **odd** number.

Answer:

--	--	--	--	--

1 mark (14)

3. _____ - 453 = 215

1 mark (15)

4. 902 - 380 = _____

1 mark (16)

5. Fill in the boxes with the correct numbers.

$$\begin{array}{r}
 \square 7 \\
 6 \overline{) \square 8 2} \\
 \underline{5 \square} \\
 \square 2 \\
 \underline{4 2} \\
 \hline
 \end{array}$$

1 mark (17)

6. $385 \times 5 =$ _____

1 mark (18)

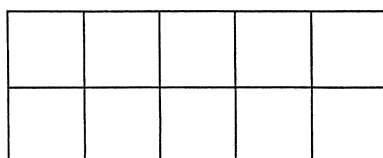
7. $420 \div 5 =$ _____

1 mark (19)

8. $42 \times (127 - 119) =$ _____

1 mark (20)

9. Shade two-fifths of the following diagram with a pencil.



1 mark (21)

10. Arrange the following fractions from the largest to the smallest.

$$\frac{2}{9}, \frac{2}{5}, \frac{2}{13}$$

Answer:

,

,

(Largest)

(Smallest)

1 mark (22)

11. A pot of plants costs \$25. On average a shop sells 8 pots of plants each day. How much money does the shop make in **one week**?

☐ A. \$40

☐ B. \$175

☐ C. \$200

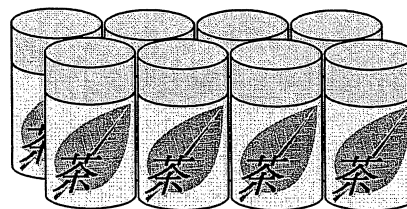
☐ D. \$1400

(23)

12. There are 298 tins of tea leaves.

(a) 8 tins of tea leaves are packed into one box. At most

_____ boxes can be packed.

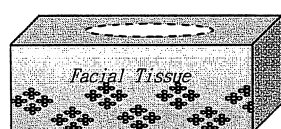


1 mark (24)

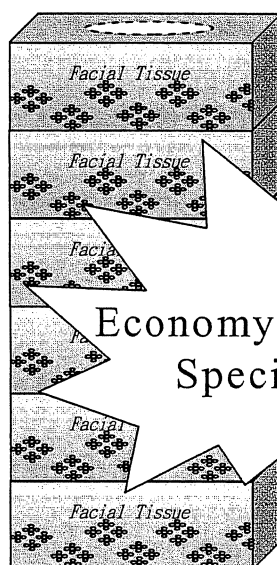
(b) If the remaining tins of tea leaves are packed into another box, _____ more tins of tea leaves are needed to fill up the box.

1 mark (25)

13.



\$7 Each Box

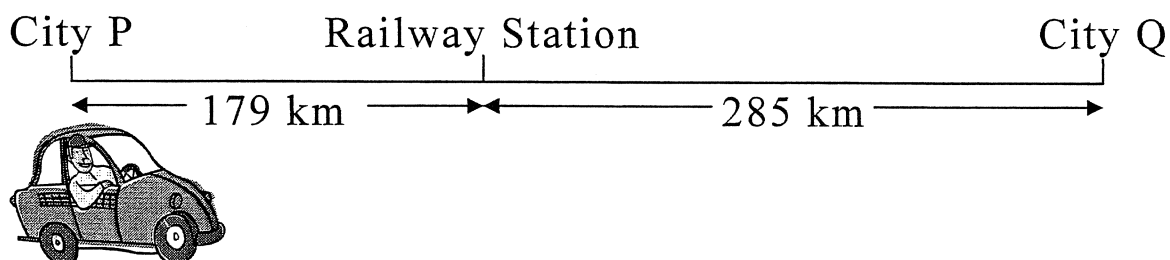


**Economy Pack of 6 boxes
Special Price \$35**

An Economy Pack of 6 boxes of tissues is cheaper than 6 separate boxes by \$ _____.

1 mark (26)

14. Paul drove from City P to City Q. He stopped for a rest after driving a distance of 96 km. How long in kilometres was the remaining journey?



(Show your working)

1 mark (27)

1 mark (28)

1 mark (29)

15. A tea set consists of one teapot and four cups. The teapot costs 88 dollars and each cup costs 10 dollars. What is the price of the tea set?



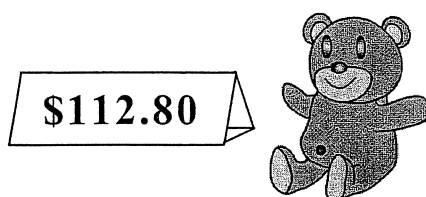
(Show your working)

1 mark (30)

1 mark (31)

1 mark (32)

16. My sister wants to buy a teddy bear in a toy shop.



- (a) The teddy bear costs _____ dollars and _____ cents.

1 mark (33)

- (b) My sister has

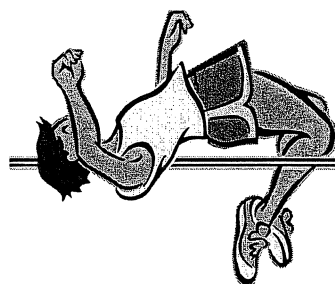
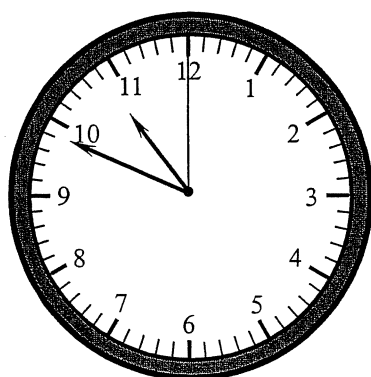


How much more money does she need to buy the teddy bear?

1 mark (34)

Answer: She needs _____ dollars and _____ cents more.

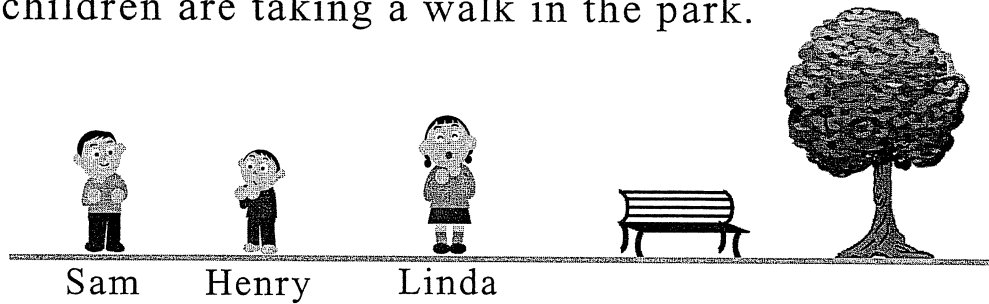
- 17.



The high jump competition begins at the time shown by the clock above. All athletes must meet 20 minutes before the competition begins. They must meet at _____ minutes past _____ at the latest.

1 mark (35)

18. Three children are taking a walk in the park.



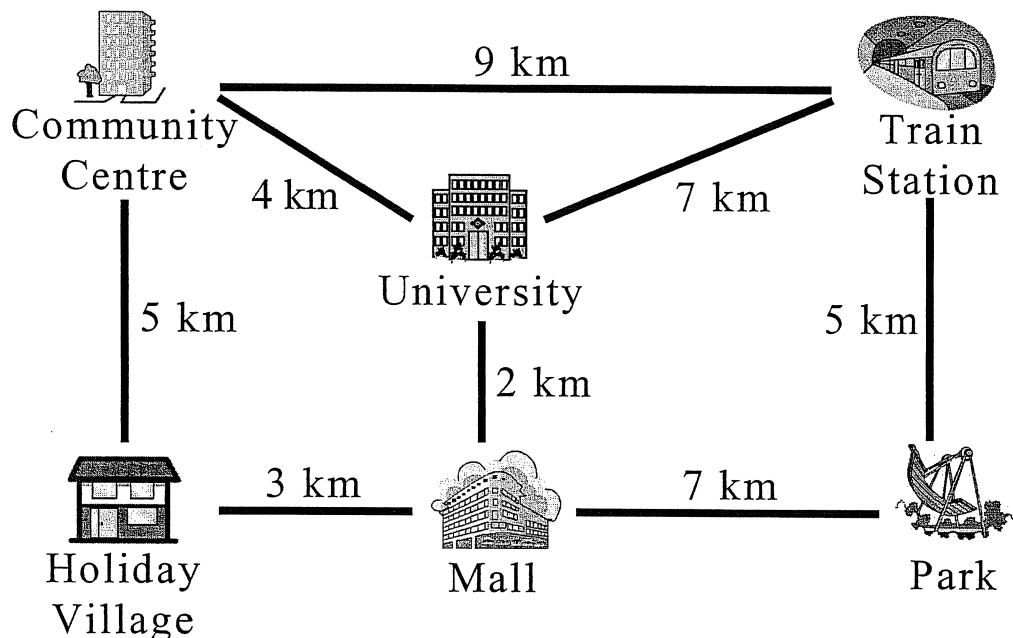
(a) The child who is shorter than Sam is _____.

1 mark (36)

(b) The child who stands nearest to the tree is _____.

1 mark (37)

- 19.



(a) We go to the Holiday Village from the Park by passing through the Mall. The distance of the whole journey is _____ km.

1 mark (38)

(b) The shortest route to go from the Train Station to the Holiday Village is _____ km.

1 mark (39)

(c) My sister walked 14 km from the Community Centre to the Park. Compared to the shortest route, she walked _____ km more.

1 mark (40)

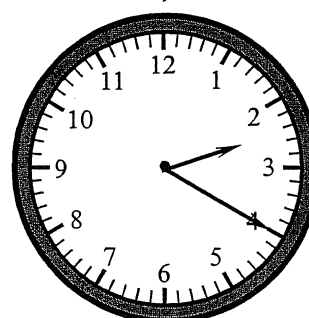
20. The timetable below shows part of the Sunday television programme.

Time	Programme
12 : 30	News
13 : 30	Recycle Tour
14 : 00	Easy Life
14 : 30	Animal World
15 : 00	Sports
16 : 00	Cartoons

- (a) 'Recycle Tour' begins at _____ past _____ in the * morning / afternoon (* circle the answer).

1 mark (41)

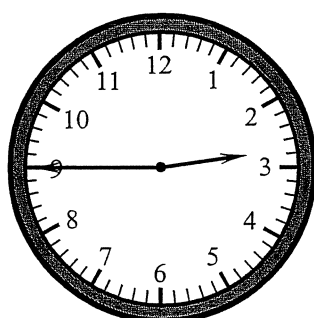
- (b) Katie takes a look at the clock (shown on the right) while she is watching television. Katie is watching the programme ' _____ ', and it will end in _____ minutes.



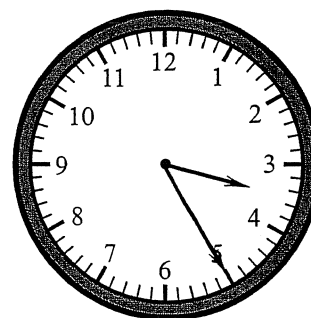
1 mark (42)

- (c) The programme 'Sports' is on television when the telephone rings. The time the telephone rings could be

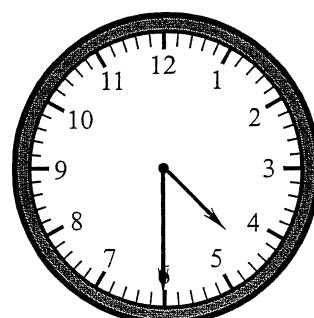
☐ A.



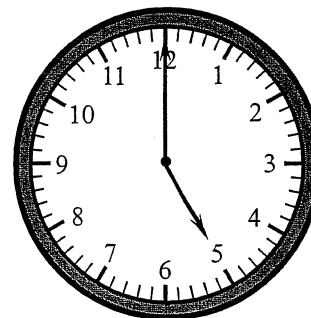
☐ B.



☐ C.

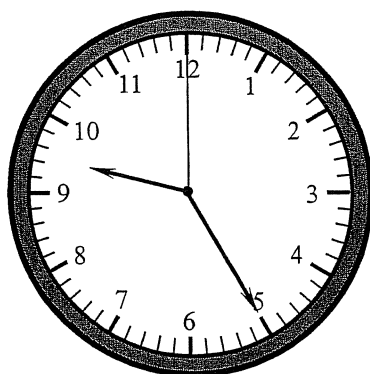


☐ D.

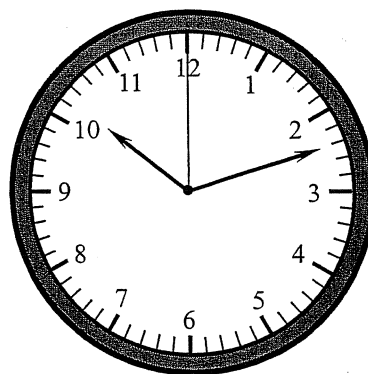
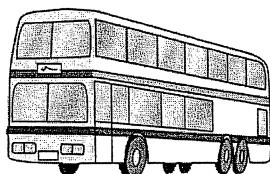
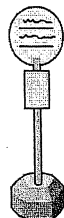


(43)

21.

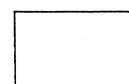


Central
Bus Station



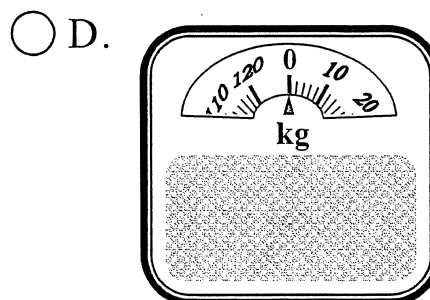
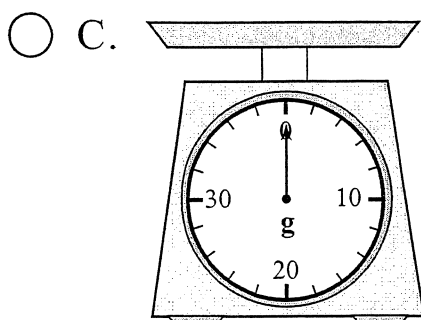
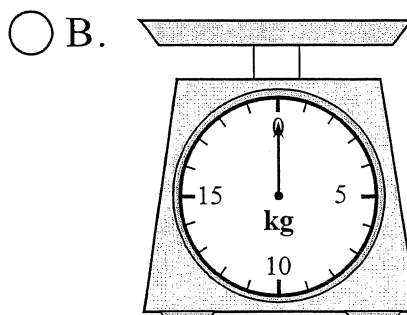
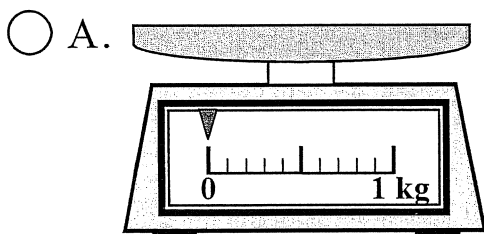
Shau Kei Wan
Bus Station

The clocks above showed the time when a bus left the Central Bus Station and arrived at the Shau Kei Wan Bus Station in a certain morning. The time taken for the whole bus journey was _____ minutes.



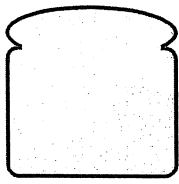
1 mark (44)

22. Which of the following scales is the most suitable to weigh a Primary Mathematics textbook?

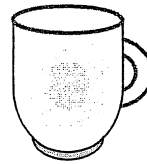


(45)

23. Which of the following objects is the lightest?



☐ A. A piece of bread



☐ B. A mug



☐ C. A \$20 note

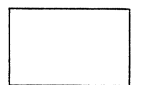
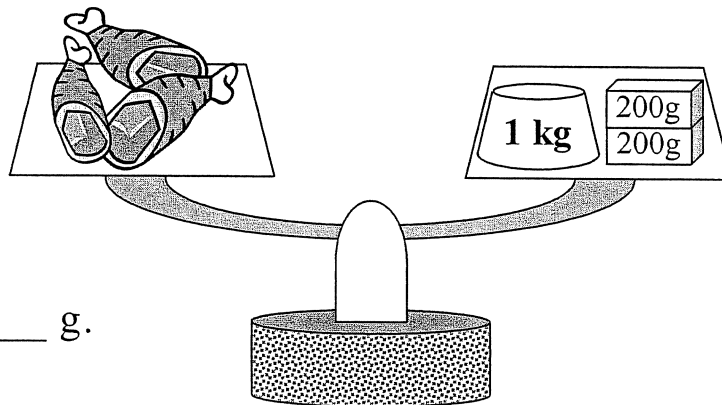


☐ D. An egg

(46)

24.

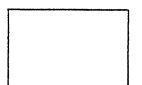
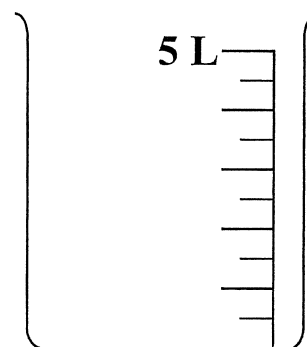
The total weight of
the three chicken
drumsticks is _____ g.



1 mark (47)

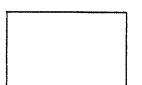
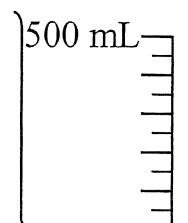
25. Draw the water level on the beaker using the information given.

(a) Pour 3 L of fruit juice into the beaker.



1 mark (48)

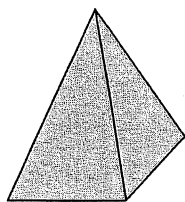
(b) Pour 350 mL of fruit juice into the beaker.



1 mark (49)

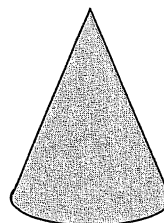
26. Name the following 3-D shapes.

(a)



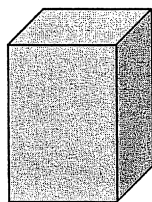
Answer: _____

(b)



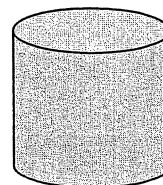
Answer: _____

(c)



Answer: _____

(d)



Answer: _____

1 mark (50)

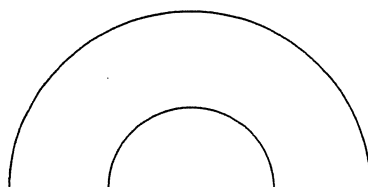
1 mark (51)

1 mark (52)

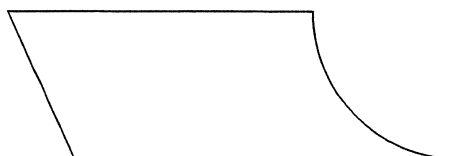
1 mark (53)

27. Study the following diagrams and * circle the answer(s) (there may be more than one answer).

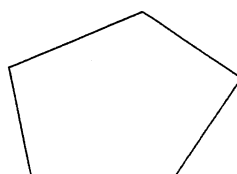
(a) The diagram below is made up of * straight line(s) / curve(s) / parallel lines / perpendicular lines.



(b) The diagram below is made up of * straight line(s) / curve(s) / parallel lines / perpendicular lines.



(c) The diagram below is made up of * straight line(s) / curve(s) / parallel lines / perpendicular lines.

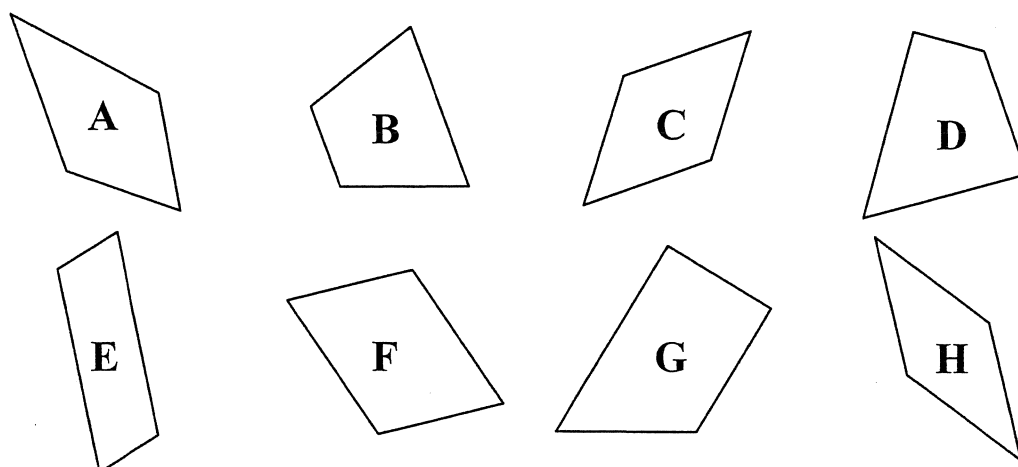


1 mark (54)

1 mark (55)

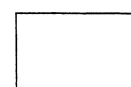
1 mark (56)

28. Study the following 2-D shapes. Write the letter(s) for the answer.

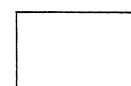


(a) Rhombus(es): _____

(b) Trapezium(s): _____

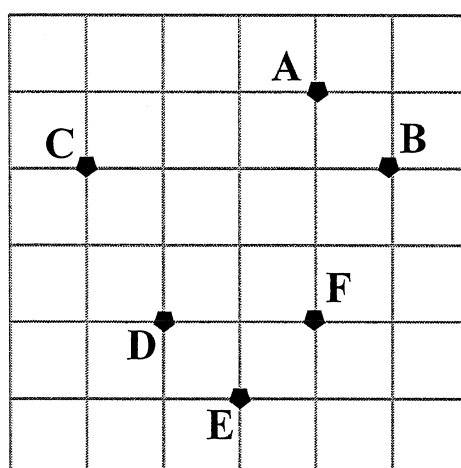


1 mark (57)



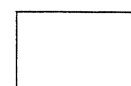
1 mark (58)

29.



Kevin wants to make a trapezium on the above pin-board using an elastic band. Which four points on the pin-board should he choose? Write the letters for the answer.

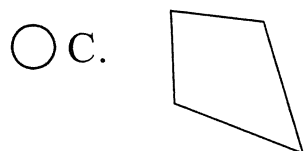
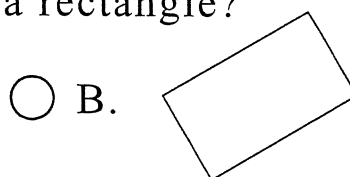
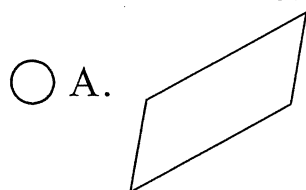
Answer: _____ , _____ , _____ , _____



1 mark (59)

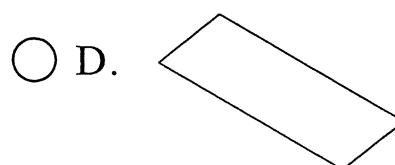
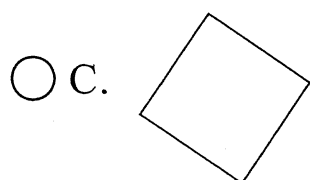
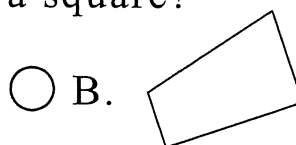
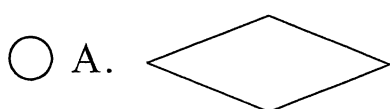
30. Study the following 2-D shapes and choose the answer.

(a) Which of the following is a rectangle?



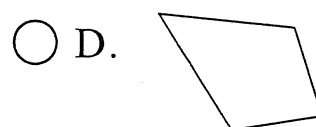
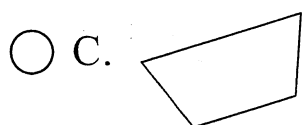
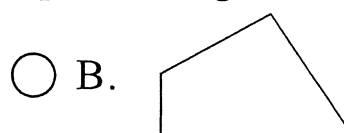
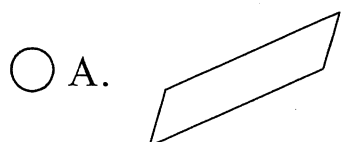
(60)

(b) Which of the following is a square?



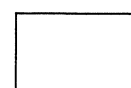
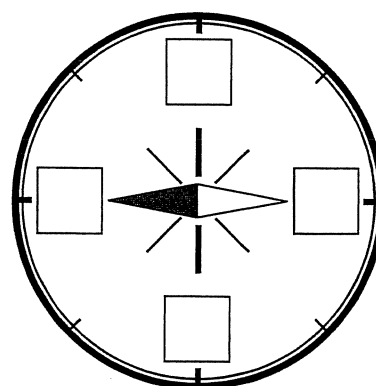
(61)

(c) Which of the following is a parallelogram?



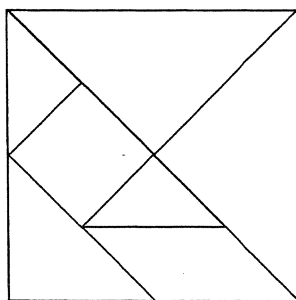
(62)

31. Iris is finding directions in her school using a compass. Fill in the boxes with the four directions.

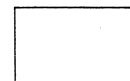


1 mark (63)

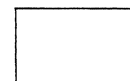
32. The diagram below shows a tangram. What types of 2-D shapes is it made up of?



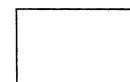
Answer: It is made up of _____ ,
_____ and _____ .



1 mark (64)

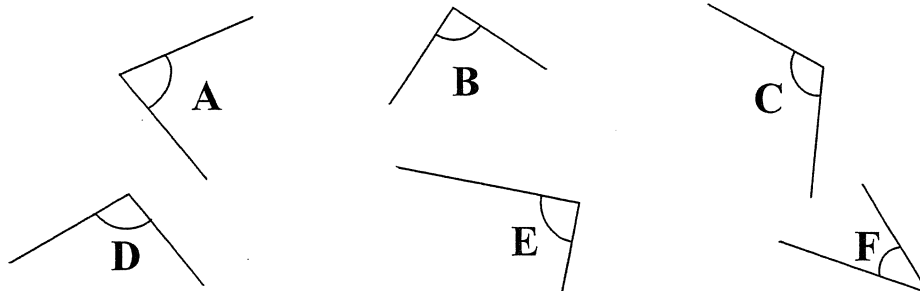


1 mark (65)

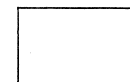


1 mark (66)

33. Which of the following are right angles? Write the letters for the answer.

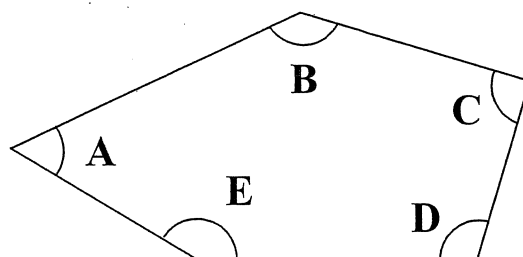


Answer: _____



1 mark (67)

34. Study the diagram below. Which of the following statements is correct?



- ☐ A. Angle C and Angle D are equal
☐ B. Angle E is the smallest
☐ C. Angle D is bigger than Angle B
☐ D. Angle A is smaller than Angle C

(68)

35. The teacher did a survey on the number of P.3B pupils taking part in different musical instrument classes. The results are as follows.

(a) According to the records, complete the table below.

Musical Instruments	Lap Harp	Violin	Harmonica	Drum	Flute
Records					
Number of pupils					

1 mark (69)

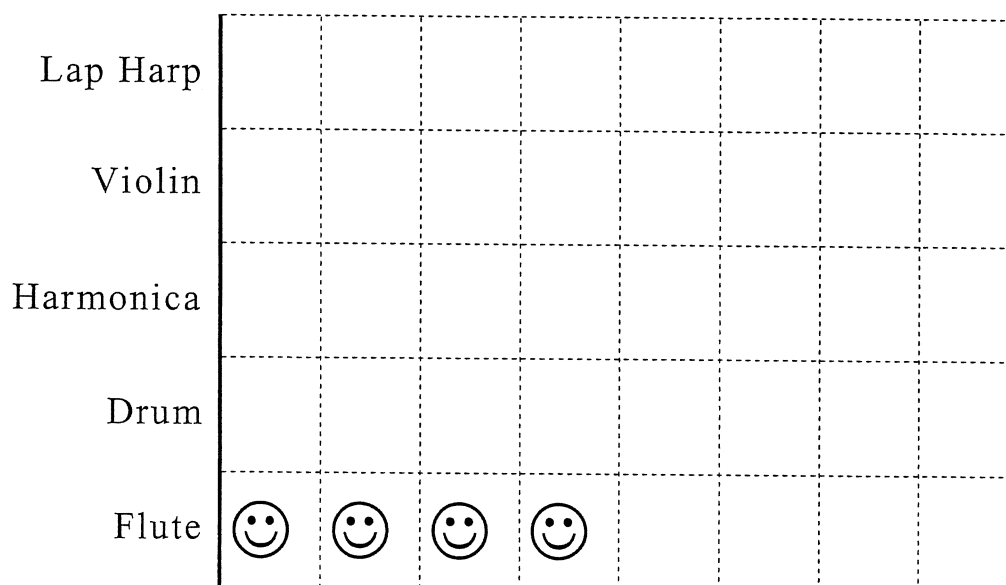
(b) According to the above information, fill in the two boxes below and complete the pictogram.

(Title)

Each ☺ represents pupil

1 mark (70)

1 mark (71)



1 mark (72)

36. The pictogram below shows the number of P.3B pupils taking part in different community services.

Number of P.3B Pupils Taking Part in Different Community Services

Each ★ represents 1 pupil



- (a) The most popular community service was _____, and the number of pupils taking part in this service was _____.
- (b) The number of pupils taking part in Visit the Elderly was smaller than that in Tree Planting by _____.
- (c) There were 36 pupils in P.3B. The number of pupils who did not take part in any community services was _____.

1 mark (73)

1 mark (74)

1 mark (75)

— END OF PAPER —