



AIM 2006

Achievement Improvement Monitor

Year
3

STATEWIDE ASSESSMENT

MATHEMATICS TEST

STUDENT DETAILS

TEST INSTRUCTIONS

1. You must do your own work.
2. Do not speak to other students during the test.
3. Raise your hand if you need to speak to the teacher.
4. Follow all directions given to you by the teacher.
5. All questions must be answered using the pencil you have been given. If you need to change an answer, carefully erase it and write another answer.
6. You are not permitted to use a calculator.
7. To confirm you have the correct booklet, print your name below.

Print your name here:

YOU HAVE 35 MINUTES TO COMPLETE THIS TEST.

Year 3 Practice Questions

P1

How many days in one week?

Shade one
bubble

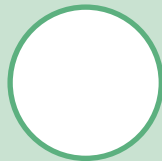
- ☐ 2
- ☐ 5
- ☐ 7
- ☐ 10

P2

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

Write one number
in each box

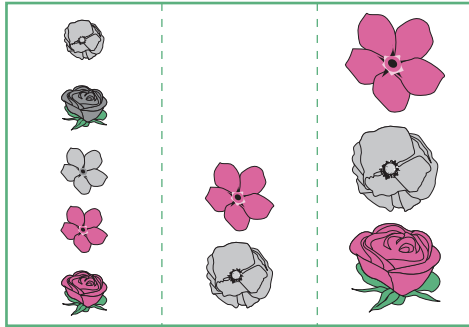
P3



Write one number
in the box

How many of these shapes are circles?

1



Shade one
bubble

Clara has made a chart of flowers she has in her garden.

Clara has sorted her flowers by

- ☐ size.
- ☐ shape.
- ☐ colour.

2

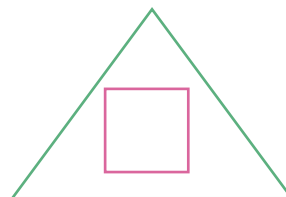
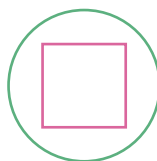
There are 28 students in a class, 12 of them are girls.

How many boys are there in the class?

- ☐ 14
- ☐ 16
- ☐ 38
- ☐ 40

3

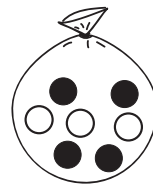
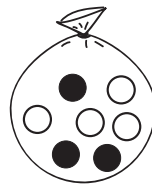
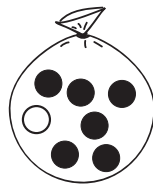
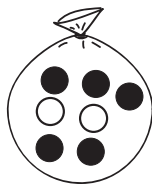
Which diagram shows a square inside a triangle?



4

From which bag does John have the best chance of taking a white ball?

Shade one bubble



5

$$17 + ? = 23$$

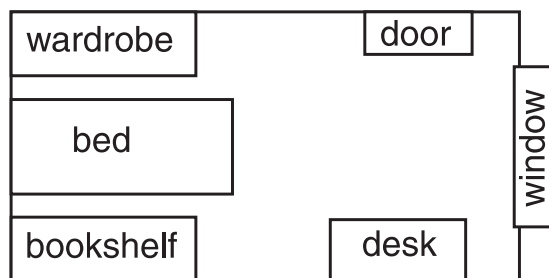
Write one number in the box

The missing number is

6

This is a plan of Adam's bedroom.

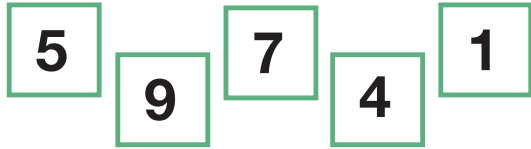
Shade one bubble



Directly opposite the door is the

- ☐ bed.
- ☐ desk.
- ☐ window.
- ☐ bookshelf.

7


 Shade one
bubble

The **smallest** number that can be made using all these digits is

- ☐ 14 579
☐ 14 975
☐ 14 795
☐ 14 597

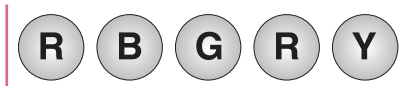
8

Which number is between 6857 and 7013?

- ☐ 6558
☐ 6842
☐ 6901
☐ 7023

9

This tray contains these red (**R**), blue (**B**), green (**G**) and yellow (**Y**) balls.



Two of the balls are selected from the tray.

Which of the following is possible?



10

Thirty-two students in Year 3 record how they travel to school.
The results are shown in the table below.

Shade one
bubble

| Type of Travel | Number of Students |
|----------------|--------------------|
| Car | 12 |
| Bus | 4 |
| Bike | 8 |
| Walk | 8 |

What type of travel did most of the students use?

- ☐ Car
☐ Bus
☐ Bike
☐ Walk

11

A whole number is multiplied by 5.

Which number could be the result?

830

☐

831

☐

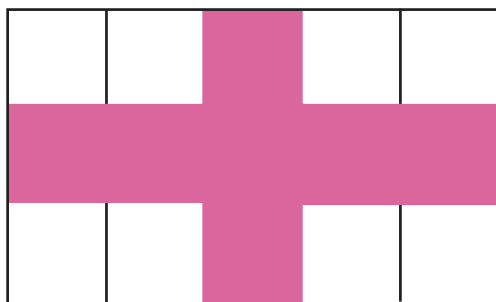
832

☐

833

☐

12



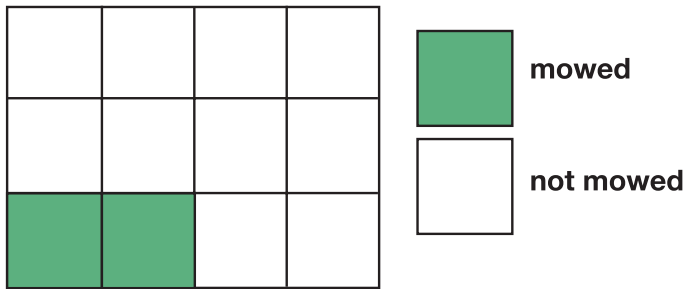
What fraction of the figure is shaded?

 $\frac{8}{15}$
☐
 $\frac{7}{15}$
☐
 $\frac{7}{8}$
☐
 $\frac{1}{2}$
☐

13

Janelle was mowing her lawn. It took her 10 minutes to mow the shaded area shown.

Shade one
bubble



If she continues at the same rate, how long will it take her to mow the **rest** of the lawn?

- ☐ 30 minutes
- ☐ 40 minutes
- ☐ 50 minutes
- ☐ 60 minutes

14

Which of the following could be used to measure the **area** of a football ground?

- ☐ square metres
- ☐ cubic metres
- ☐ millimetres
- ☐ millilitres

15

Maria sold chocolates for her hockey club.

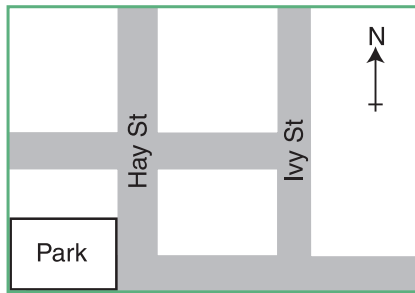
She sold 14 on Friday, 18 on Saturday and 21 on Sunday.

How many chocolates did she sell altogether?

- ☐ 41
- ☐ 43
- ☐ 51
- ☐ 53

Use the map to answer questions 16 and 17.

Shade one
bubble



16 On the map, the park is in the

- ☐ north-east corner.
- ☐ north-west corner.
- ☐ south-east corner.
- ☐ south-west corner.

17 Hay St and Ivy St are

- ☐ parallel.
- ☐ adjacent.
- ☐ perpendicular.

18 $56 + 18 =$

| | |
|--|--|
| | |
|--|--|

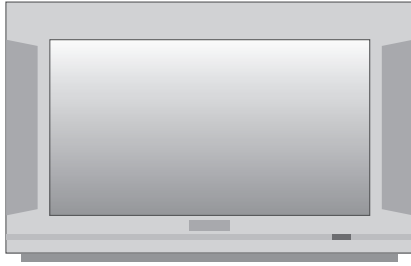
Write one number
in each box

19 Kathy records her swimming times each day for a month.
Which is the best way for Kathy to record her times,
so that she can check her progress?

Shade one
bubble

- ☐ pie graph
- ☐ line graph
- ☐ tree diagram

20

TelevisionShade one
bubble

◦ \$2600

The television costs

- ☐ twenty-six thousand dollars.
- ☐ two thousand and sixty dollars.
- ☐ two thousand, six hundred dollars.
- ☐ twenty thousand, six hundred dollars.

21

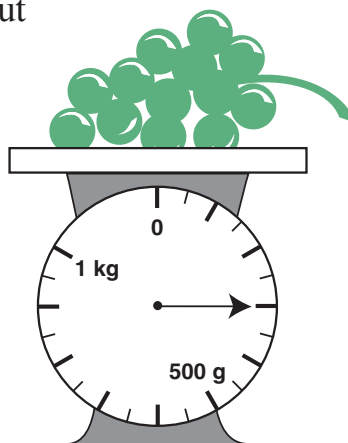
$$423 - 106 =$$

- ☐ 317
- ☐ 327
- ☐ 329
- ☐ 529

22

The bunch of grapes weighs about

- ☐ 3 grams.
- ☐ 60 grams.
- ☐ 150 grams.
- ☐ 300 grams.

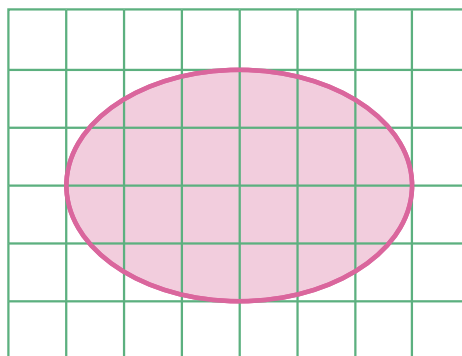


23

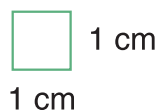
The area of this shape is closest to

Shade one
bubble

- ☐ 20 cm²
☐ 22 cm²
☐ 24 cm²
☐ 26 cm²



Scale



24

6, 12, 24, 48, ?, ?

The next two numbers in this pattern are

- ☐ 96 and 188
☐ 96 and 192
☐ 98 and 196
☐ 98 and 198

25

$$\begin{array}{r}
 7 \quad 1 \\
 - \quad 2 \quad 6 \\
 \hline
 \boxed{} \boxed{}
 \end{array}$$

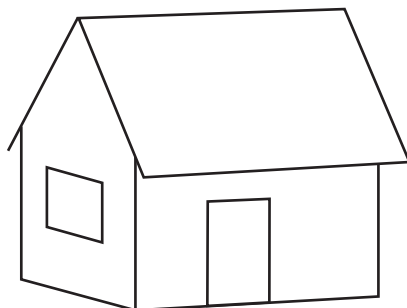
Write one number
in each box

26

How many vertical lines can be seen in this drawing?

Shade one
bubble

- ☐ 3
☐ 5
☐ 7
☐ 9



27

Eighteen students were asked if they owned a bicycle or a skateboard.

Shade one bubble

| | | Own a Skateboard | |
|---------------|-----|------------------|----|
| | | Yes | No |
| Own a Bicycle | Yes | 6 | 5 |
| | No | 3 | 4 |

How many students own **both** a bicycle and a skateboard?

- ☐ 3
☐ 5
☐ 6
☐ 9

28

$48 \div 3 =$

| | |
|--|--|
| | |
|--|--|

Write one number in each box

29

Kim bought a loaf of bread and a bread stick.

Shade one bubble



\$2.80

\$2.60

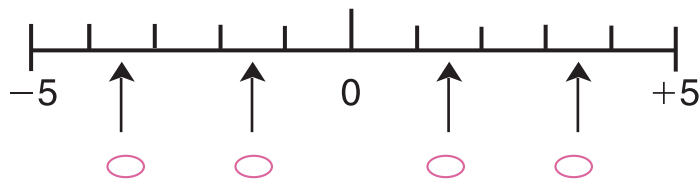
How much change did he get from \$10.00?

- ☐ \$4.40
☐ \$4.60
☐ \$5.40
☐ \$5.60

30

On the number line, which arrow is pointing to 1.5?

Shade one
bubble



31

$$23 \times 14 =$$

- ☐ 115
- ☐ 222
- ☐ 312
- ☐ 322

32

The number of days between June 3 and October 3, in the same year, is closest to

- ☐ 30 days.
- ☐ 60 days.
- ☐ 90 days.
- ☐ 120 days.