



STATEWIDE ASSESSMENT

AIM 2007

Achievement Improvement Monitor

**Year
3**

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 of any type.
7. To confirm you have the correct booklet, print your name below.

Print your name here:

YOU HAVE 35 MINUTES TO COMPLETE THIS TEST

Practice Questions

P1

How many days are there 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

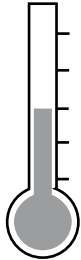
How many of these shapes are circles?

You have 35 minutes to complete this test.
You are NOT permitted to use a calculator of any type.

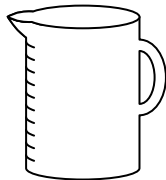
1

Which one of these measures temperature?

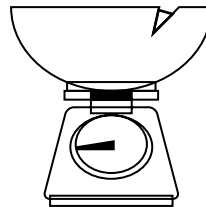
Shade one
bubble



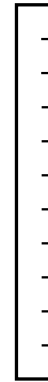
Thermometer

☐

Jug

☐

Scales

☐

Ruler

☐

2

$$\begin{array}{r} 18 \\ - 3 \\ \hline \end{array}$$

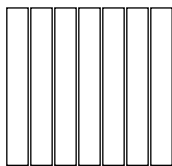
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Write one number
in each box

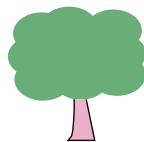
3

Which tree is the same height as the fence?

Shade one
bubble



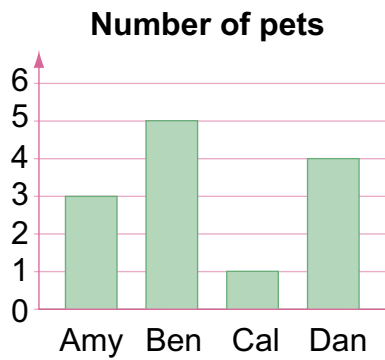
fence

☐☐☐☐

4

The graph shows the number of pets owned by four students.

Shade one bubble



Which list shows the students, in order, from the one who owns the least to the one who owns the most pets?

- ☐ Dan, Amy, Ben, Cal
☐ Cal, Amy, Dan, Ben
☐ Ben, Cal, Dan, Amy
☐ Cal, Ben, Amy, Dan

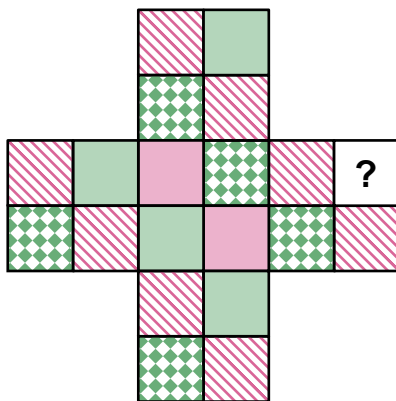
5

$26 + 63 =$

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Write one number in each box

6



Shade one bubble

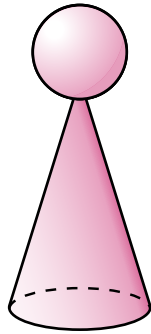
Which part of the pattern is missing?


☐
☐
☐
☐

7

Liam made this model using three-dimensional objects.

Shade one
bubble



Which three-dimensional objects did he use?

- ☐ a sphere and a cone
- ☐ a circle and a triangle
- ☐ a cone and a triangular pyramid
- ☐ a sphere and a triangular pyramid

8

771, 781, 791, **?**, **?**

What are the next two numbers in the pattern?

792, 793

☐

799, 809

☐

801, 810

☐

801, 811

☐

9

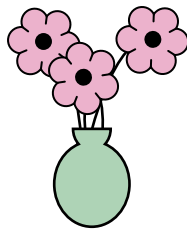
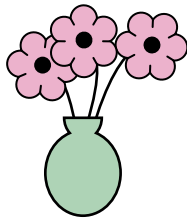
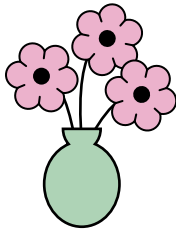
Ben has 3 red pens, 4 black pens, 5 blue pens
and 2 green pens in his pencil case.

He selects a pen without looking.

The pen he selects is **least** likely to be

- ☐ red.
- ☐ blue.
- ☐ black.
- ☐ green.

10



Shade one
bubble

The total number of flowers is equal to

4×3



$4 + 3$



$4 \div 3$

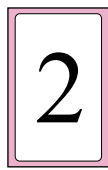
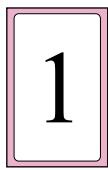


$4 - 3$



11

Amy turned these cards over and mixed them up.



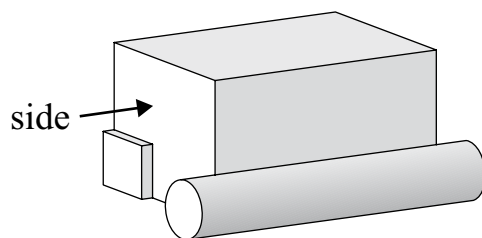
Then she picked out one card.

The number on the card is certain to be

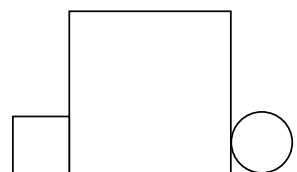
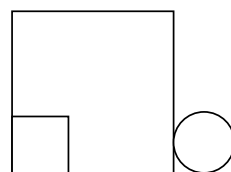
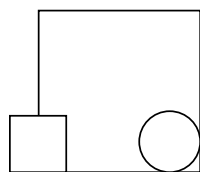
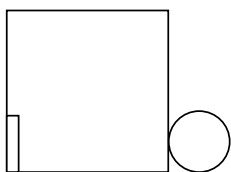
- ☐ odd.
- ☐ even.
- ☐ less than 10.
- ☐ greater than 5.

12

Christina used cardboard objects to make this shape.



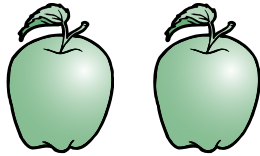
What is the view from the side?



13

Jira had two apples. She cut each apple into quarters.

Shade one
bubble



How many quarters did she have in total?

2

☐

4

☐

8

☐

16

☐

14

Charlie wants to find out what the Year 3 students in his school most like to eat.

Which of these would be the best question to ask?

- ☐ What is your favourite fruit?
- ☐ Do you like to eat take-away food?
- ☐ What do you enjoy eating for lunch?
- ☐ What is your favourite type of food?

15

Leah has these coins in her bag.

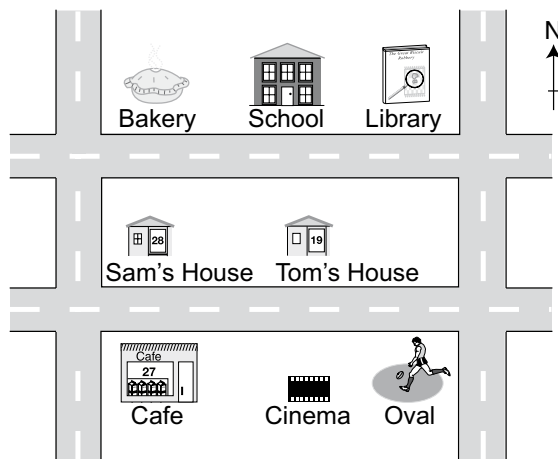


In total, how much money does she have in her bag?

- ☐ \$0.95
- ☐ \$1.05
- ☐ \$1.15
- ☐ \$1.25

16

Tom drew this map.

Shade one
bubble

What direction is the Cinema from Tom's House?

North

☐

South

☐

East

☐

West

☐

17

$8 \times 20 =$

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Write one number
in each box

18

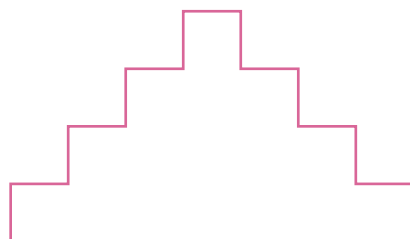
In January this year Daniel was 9 years old and Paula was 11 years old.

Which one of the following **cannot** be true in January next year?

- ☐ Paula will be 12 years old.
- ☐ Paula will be younger than Daniel.
- ☐ Daniel will be two years younger than Paula.
- ☐ Daniel will be one year older than he is now.

Shade one
bubble

19

How many small squares  would cover the shape below?

7

☐

12

☐

15

☐

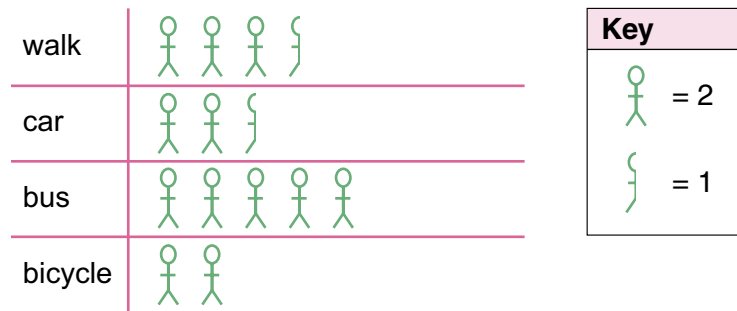
16

☐

20

The pictograph shows how students in a class came to school on Wednesday.

Shade one bubble



How many students did **not** walk to school on Wednesday?

5

☐

7

☐

11

☐

19

☐

21

$$345 - 160 =$$

185

☐

225

☐

460

☐

505

☐

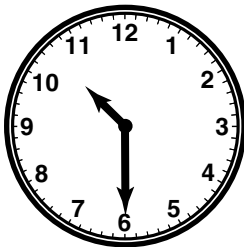
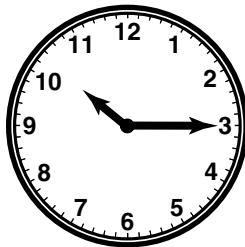
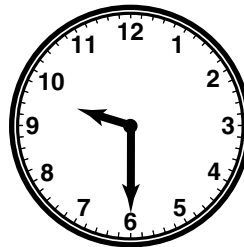
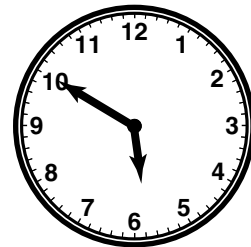
22

The number 1097 can be written as

- ☐ nineteen thousand and seven.
- ☐ ten thousand and ninety-seven.
- ☐ one thousand and ninety-seven.
- ☐ one thousand, nine hundred and seven.

23

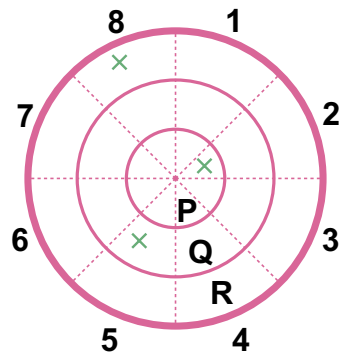
Which clock shows the time 10:30?


☐

☐

☐

☐

24

Andy drew three crosses on a circular board.
One of the crosses is in region **P2**.

Shade one
bubble



In which regions are the other two crosses drawn?

- ☐ **P8** and **P5**
☐ **Q2** and **R3**
☐ **R2** and **Q5**
☐ **R8** and **Q5**

25

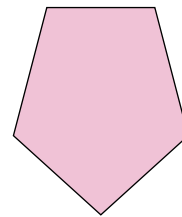
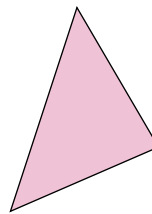
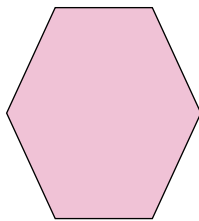
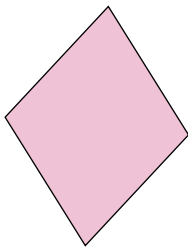
$$30 + 17 = \boxed{} + 27$$

Write one number
in each box

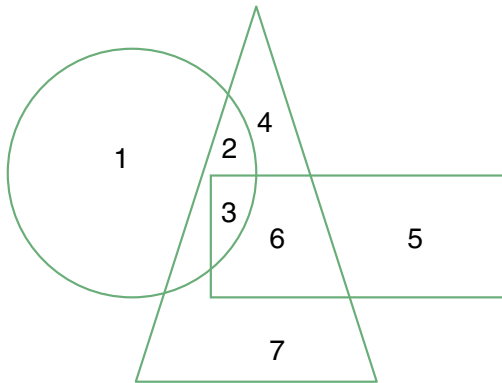
26

Which one of these shapes is a hexagon?

Shade one
bubble



27

Write one number
in the box

Which number is inside the circle and inside the triangle but **not** inside the rectangle?

28

950 grams is

Shade one
bubble

- ☐ less than half a kilogram.
- ☐ between half a kilogram and one kilogram.
- ☐ between one kilogram and two kilograms.
- ☐ more than two kilograms.

29

Ms Watson has a bag containing 34 lollies.

She shares as many of the lollies as she can equally between 6 students.

How many lollies are left over?

2

☐

4

☐

6

☐

28

☐

30

Maria's water bottle is three-quarters full of water.

Which one could be Maria's water bottle?


☐

☐

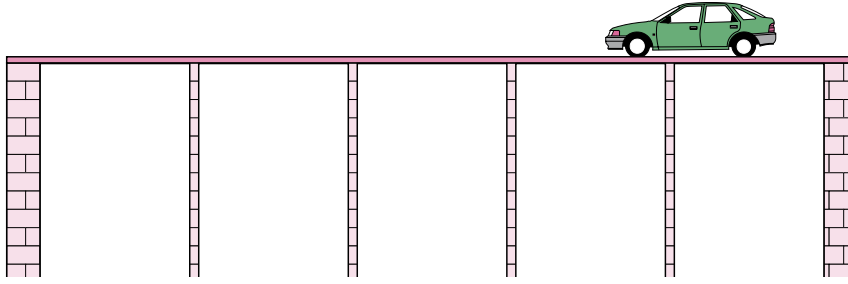
☐

☐

31

A car is 3 metres long. It is going across a bridge.

Shade one
bubble



The length of the bridge is closest to

- ☐ 5 metres.
☐ 9 metres.
☐ 15 metres.
☐ 24 metres.

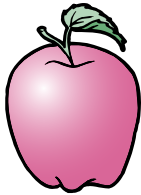
32

$$84 \div 6 =$$

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Write one number
in each box

33



Shade one
bubble

Apples: 40c each

Juice: 65c per box

Mark buys 4 apples and 5 boxes of juice.

What is the total cost of these items?

\$4.65

☐

\$4.80

☐

\$4.85

☐

\$5.05

☐