CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

MATHEMATICS **0842/01**

Paper 1 **October/November 2007**

45 minutes

Candidates answer on the Question Paper.

Additional Materials: Pen Protractor
Pencil
Ruler

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page.
Write in dark blue or black pen.
DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

Calculators are **not** allowed.

The number of marks is given in brackets [ ] at the end of each question or part question.

You should show all your working in the booklet.

For Examiner's Use	
Page	**Total**
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
Total	

This document consists of **12** printed pages.

[Turn over

1   Here are 5 statements.

Circle the statement which is wrong.

      6 > 5   **5 = 5**   **6 < 5**   **6 = 6**   **5 < 6**   [1]

2   **(a)** Round **567** to the nearest 10.

.... [1]

(b) Round **938** to the nearest 100.

.... [1]

3   **(a)** List the factors of **36**.

.... [1]

(b) List the factors of **48**.

.... [1]

(c) What is the highest common factor of **36** and **48**?

.... [1]

4   Circle the larger fraction.

$$\frac{3}{5} \qquad\qquad\qquad \frac{4}{10}$$

Show your working.

[2]

Page Total

5 Complete the 3 times table.

$$
\begin{aligned}
1 \times 3 &= \quad 3 \\
2 \times 3 &= \quad 6 \\
3 \times 3 &= \quad 9 \\
4 \times 3 &= \quad 12 \\
5 \times 3 &= \quad 15 \\
6 \times 3 &= \quad \text{............} \\
7 \times 3 &= \quad \text{............} \\
8 \times 3 &= \quad \text{............} \\
9 \times 3 &= \quad 27 \\
10 \times 3 &= \quad 30
\end{aligned}
$$

[1]

6 (a) $54 \div 9$

[1]

(b) 60×60

[1]

(c) Double 63

[1]

7 Calculate 352×42

Show your working.

[2]

Page Total

8 **(a)** Wurruannah buys one pencil and one rubber.

35c   47c
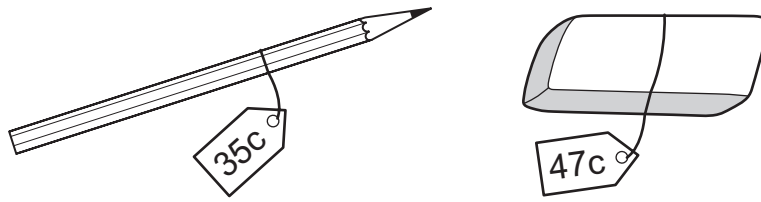
How much does he pay altogether?

.... [1]

(b) He pays with a 1 dollar coin.

How much change does he get?

.... [1]

9 Gary has a set of number cards.

| 24 | 36 | 17 | 21 | 19 | 32 |

He picks 2 cards at random.

He writes down the sum of his cards. 24 + 32 = 56

Gary thinks he has found a rule.

even number + even number = even number

(a) Using the set of number cards, write down another sum that follows Gary's rule.

.... [1]

(b) Gary picks more pairs of cards and finds 2 more rules.

Write down **one** of these rules.

.... [1]

Page Total

10 Gerrit gets a sum wrong.

$$34 \times 3 = 912$$

His teacher explains that he could use approximation to check his answer.

34 rounded to the nearest 10 is 30.
30 x 3 = 90
So 34 x 3 is around 90.

Gerrit tries another sum.

$$58 \times 3 = 1524$$

(a) Use approximation to check Gerrit's answer.

.... [1]

(b) Is Gerrit right or wrong?

.... [1]

11 (a) Utete has 360 marbles.

She gives 15% of her marbles to friends.

How many marbles does she give away?

.... [1]

(b) Jeanette has 270 marbles.

She gives away 54 marbles.

What percentage of her marbles does she give away?

.... [2]

Page Total

12 Megan has some coloured pencils.
She counts how many of each colour there are.

Here are her results.

Colour	How many?
Blue	5
Yellow	3
Green	9
Red	6

Megan draws a bar chart to show her results.
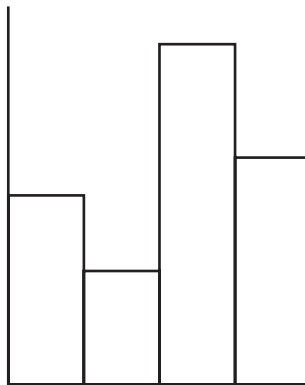
(a) What is missing from Megan's bar chart?

.... [1]

(b) What colour does the tallest bar represent?

.... [1]

Page Total

13 Emily measures the heights of the children in her class.

She puts the results into a bar chart.
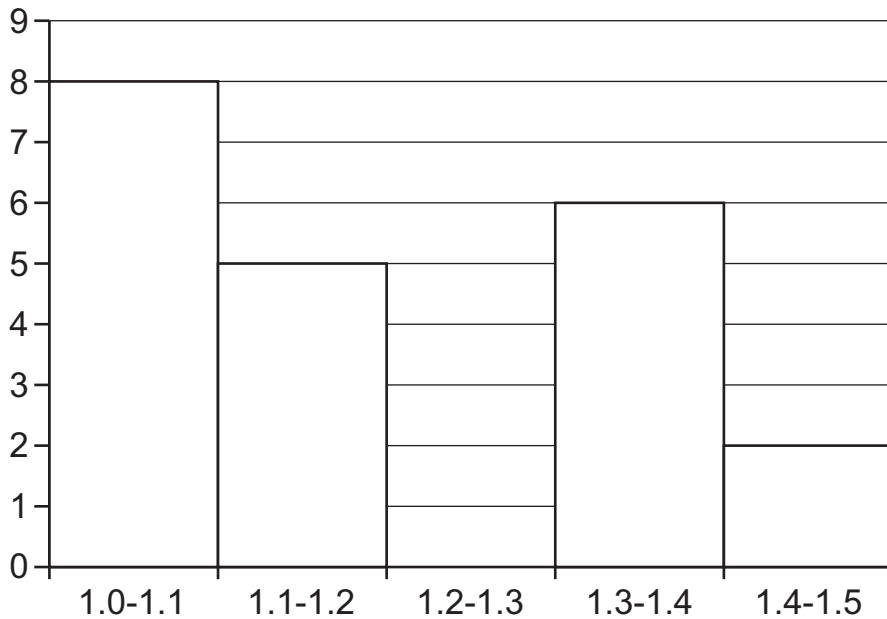
(a) How many children measure between 1 m and 1.2 m?

.... [1]

(b) Emily suddenly realises she forgot to draw the results of the 1.2-1.3 group.

3 children measure between 1.2m and 1.3m.

Draw this bar on the bar chart.

[1]

14 Byama rolls a normal dice.

What is the probability that he rolls an odd number?
Use a word not a number to answer the question.

.... [1]

Page Total

15 Naadiya says:

I am thinking of a 3-dimensional shape.

It has 5 sides. 4 sides are triangles and 1 side is a square.

It has 8 edges and 5 vertices.
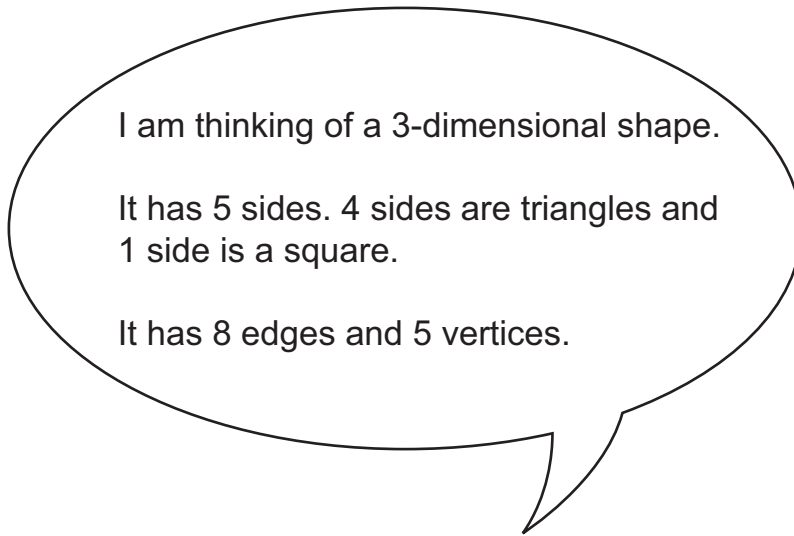
What is Naadiya's shape?

.... [1]

16 Estimate the size of this angle.

?
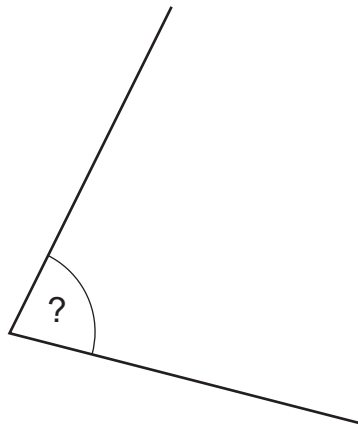
.... [1]

Page Total

17 Nanala draws an arrow.
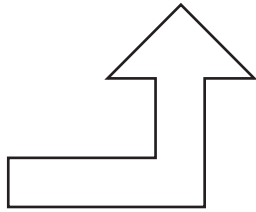
Here are 4 more arrows.

A   B   C   D
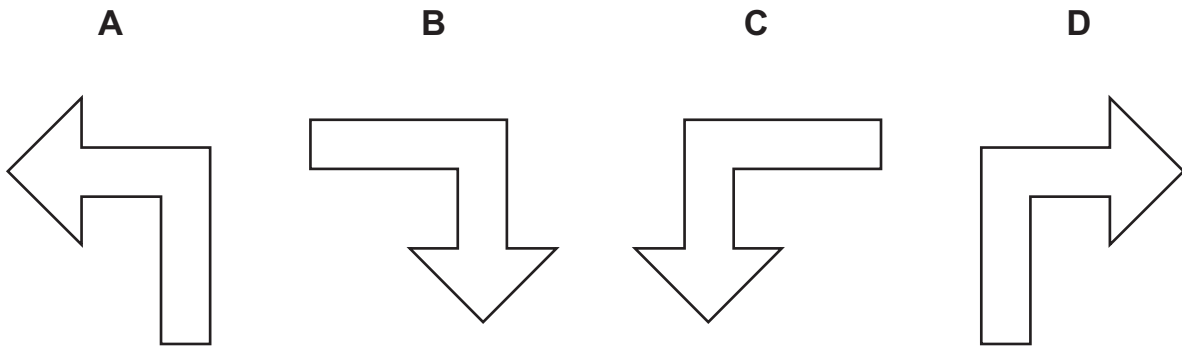
Which of these arrows is a reflection of Nanala's arrow?

.... [1]

18 Translate the shape 3 squares right and 5 squares down.

[1]

Page Total

19

C

B

N

D

A

G

E

F
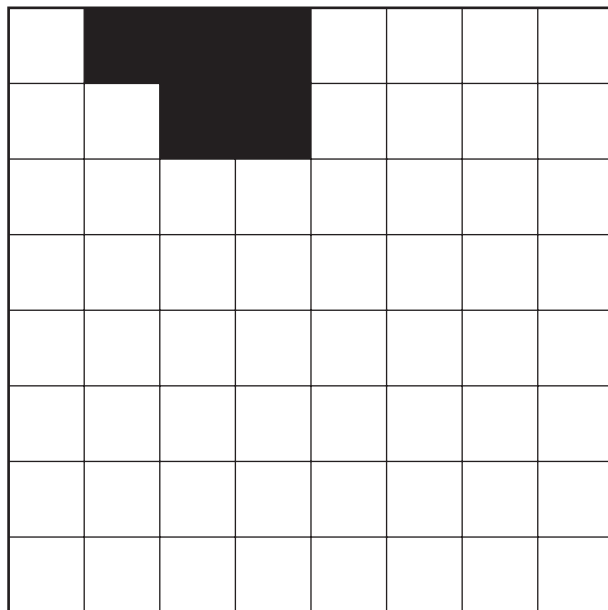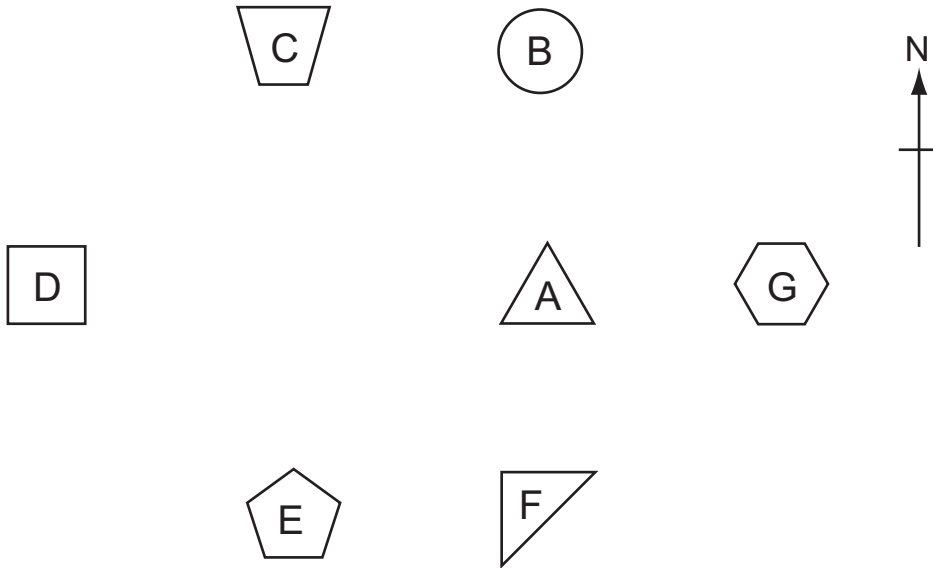
(a) What direction is it from shape B to shape C?

.... [1]

(b) What direction is it from shape G to shape F?

.... [1]

(c) What direction is it from shape A to shape C?

.... [1]

Page Total

20 (a)
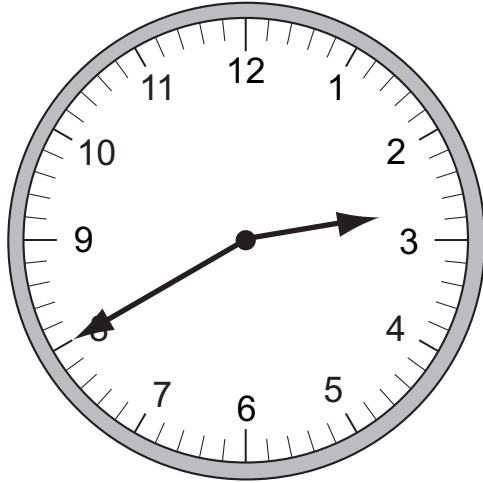
What time does this clock show?

.... [1]

(b)
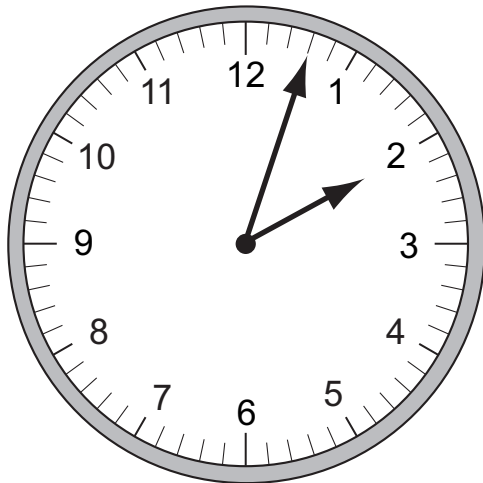
What time does this clock show?

.... [1]

(c)

Circle the time which is the same.

9:21 am   11:21 am   9:09 pm   9:21 pm   11:09 pm   [1]

Page Total

21
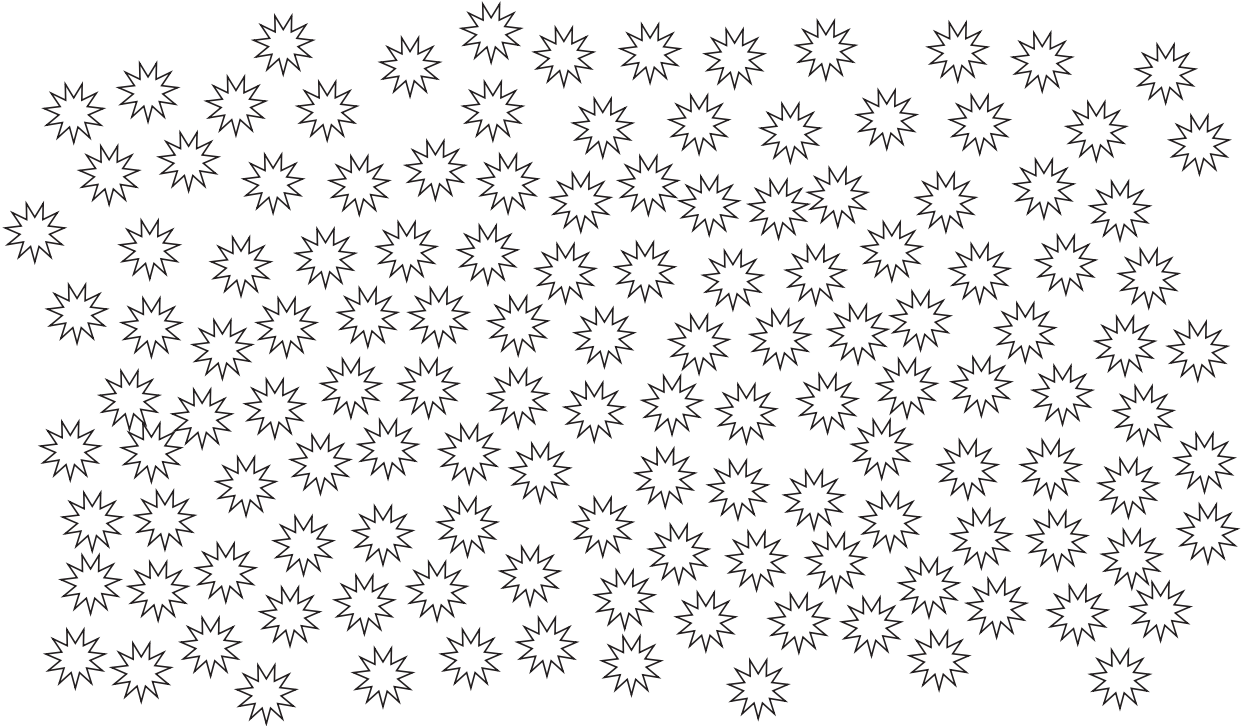
Circle the number which gives the best estimate of the number of stars shown here.

    100   130   80   200   50   [1]

Page Total