NATIONAL ASSESSMENT PROGRAM
2008 NUMERACY PRACTICE PAPER

MATHLETICS
Inspiring Better Results

YEAR 7 - Test 2 Non-calculator

Student Details

First Name

Last Name

Today's Date is: _____

Test Instructions

You have 40 minutes to complete this test.

You are **NOT** allowed to use a calculator.

You should use a pencil to write your answers or shade in the bubble.

If you make a mistake, rub it out thoroughly.

MATHLETICS

1 How much greater than 7292 is 6592?

Shade one bubble.

○ 7   ○ 70   ○ 700   ○ 18

2 0.3, 0.7, 1.1, ☐ , 1.9

Shade one bubble.

The missing number from this series is
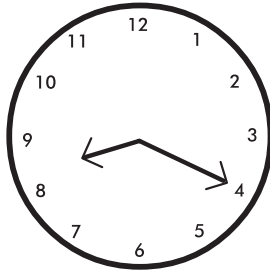
○ 1.2   ○ 1.3   ○ 1.4   ○ 1.5

3 Solve for x.

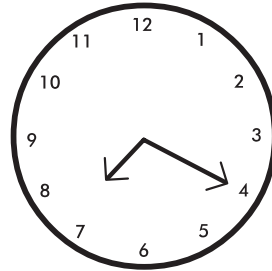Write your answer in the box.

$4x - 5 = 27$

$x =$ ☐

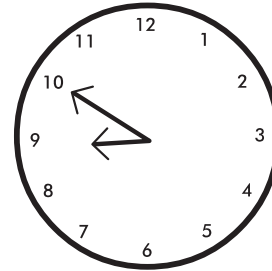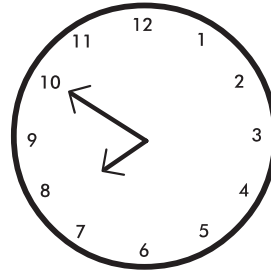**4** The bus arrives at the bus stop at 8:10 am.

Bec looks at the clock and says, "I must leave in 20 minutes."

What time is showing on the clock?
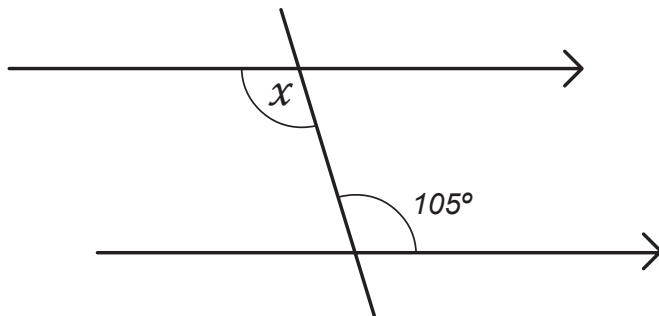
Shade one bubble.

○   ○   ○   ○

5 When some money was shared out equally between 8 people, each person received $9.00.

If the same amount was shared between 6 people, how much money would each person receive?

Shade one bubble.

○ $9.00   ○ $8.00   ○ $12.00   ○ $72.00

6 What is the size of angle x ?

○ 15°

○ 25°

○ 75°

○ 105°

Shade one bubble.

7 225% is equal to:

Shade one bubble.

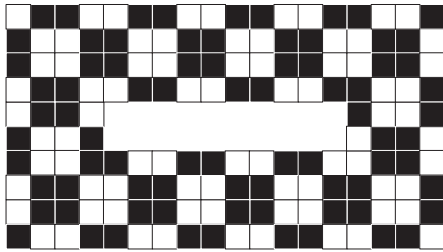○ $2\dfrac{3}{4}$ ○ $2\dfrac{1}{5}$ ○ $2\dfrac{1}{4}$ ○ $2\dfrac{1}{2}$

8 What is the rule relating the values shown in the table?

Shade one bubble.

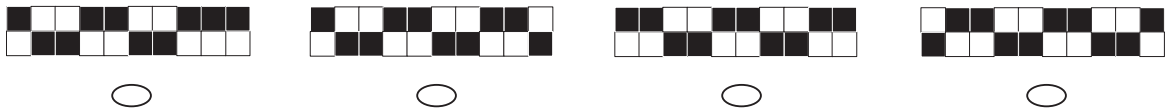| x	2	3	4	5	6
y	8	11	14	17	20

○ $y = 2x + 3$ ○ $y = 3x - 2$

○ $y = 2x - 3$ ○ $y = 3x + 2$

9
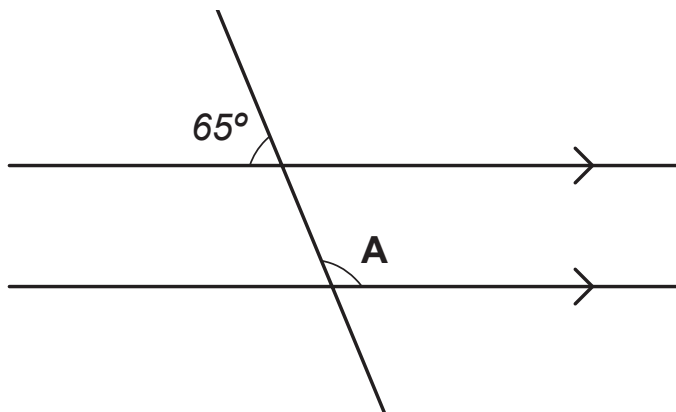
Shade one bubble.

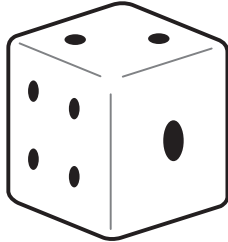The piece missing from the inside of this tessellating pattern is

○   ○   ○   ○

10

Shade one bubble.

65°

A

From the diagram, what size is angle A?

○ 115°   ○ 105°   ○ 125°   ○ 70°

11 A regular six-sided die is rolled once. The chance of getting a number greater than 4 is:

○ Certain

○ Likely

○ Unlikely

○ Impossible

Shade one bubble.

12 Tim wants to buy an iPod for $180 and has set himself a goal of six months to save up.

To buy the iPod in six months, the mean (average) amount that Tim needs to save each month is

Shade one bubble.

○ $20   ○ $30   ○ $60   ○ $18

13 -14 + 6 =

Shade one bubble.

○ 20   ○ 8   ○ -8   ○ -20

14 Which of these has the greatest value?

Shade one bubble.

○ $\dfrac{3}{4}$ ○ $\dfrac{4}{10}$ ○ 50%   ○ 0.3

15   What is the chance that this spinner will not land on blue?

blue

red   pink

blue   red
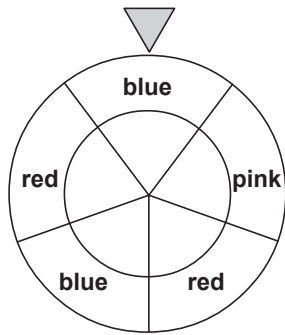
○ $\dfrac{2}{5}$ ○ $\dfrac{1}{5}$ ○ $\dfrac{3}{5}$ ○ $\dfrac{4}{5}$
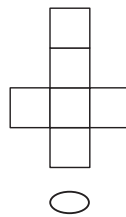
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16   Tess builds a model from cubes.
What is the view from side on?

○   ○   ○

17

2m

2m →

↓ 2m

3m

8m
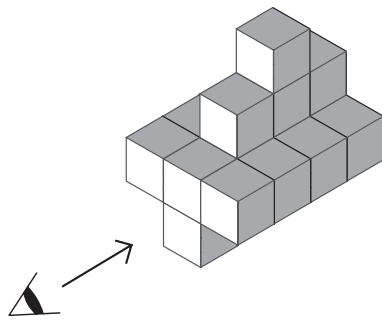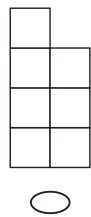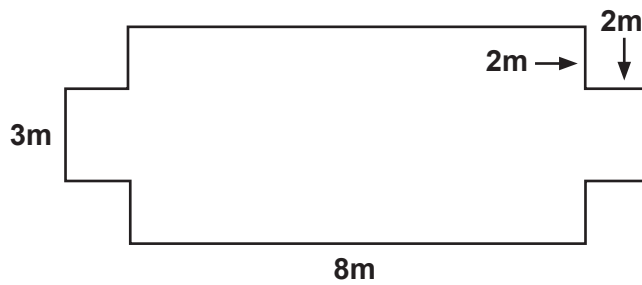
The perimeter of this shape is:

[ ][ ] m

Look at this diagram and answer questions 19 and 20.
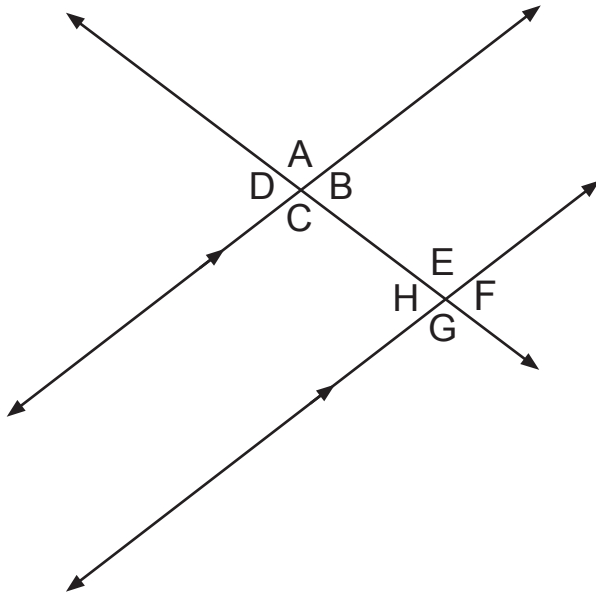
18 Angle A is equal to:

◯ B   ◯ C   ◯ D   ◯ G

19 Angles E and G:

Shade one bubble.

◯ are alternate angles.

◯ are corresponding angles.

◯ are complementary angles.

◯ are vertically opposite angles.
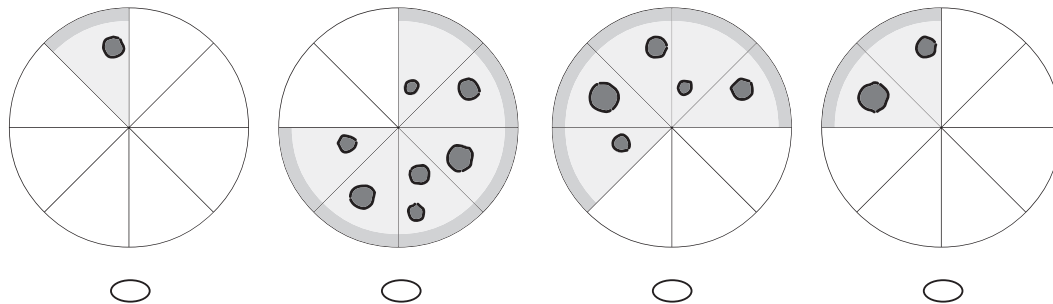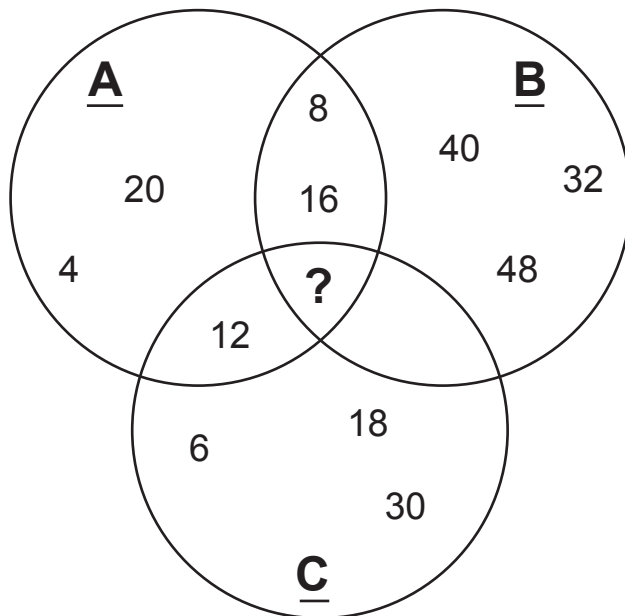
20 Ben and Mia shared a pizza.

Ben ate $\frac{3}{8}$ of the pizza and Mia ate $\frac{1}{2}$ of the pizza.

Which picture shows how much pizza was left over?

Shade one bubble.

○   ○   ○   ○

21

Shade one bubble.

In the Venn diagram all the numbers in Set A are multiples of 4.
In Set B the numbers are multiples of 8 and Set C contains multiples of 6.

Which number should go in the intersecting segment of all three sets?

○ 14   ○ 24   ○ 36   ○ 28

22 The table below shows when students from 2 classes play sport.

	Wednesday Sport	Thursday Sport
7A	8	11
7B	9	6

What is the probability that a student, chosen at random, will be from 7A and plays sport on a Wednesday?

Shade one bubble.

$\bigcirc$ $\dfrac{8}{11}$　　$\bigcirc$ $\dfrac{8}{19}$　　$\bigcirc$ $\dfrac{8}{17}$　　$\bigcirc$ $\dfrac{8}{34}$

23 $3^3 \times 3^2 =$

Shade one bubble.

$\bigcirc$ 27　　$\bigcirc$ 51　　$\bigcirc$ 72　　$\bigcirc$ 243
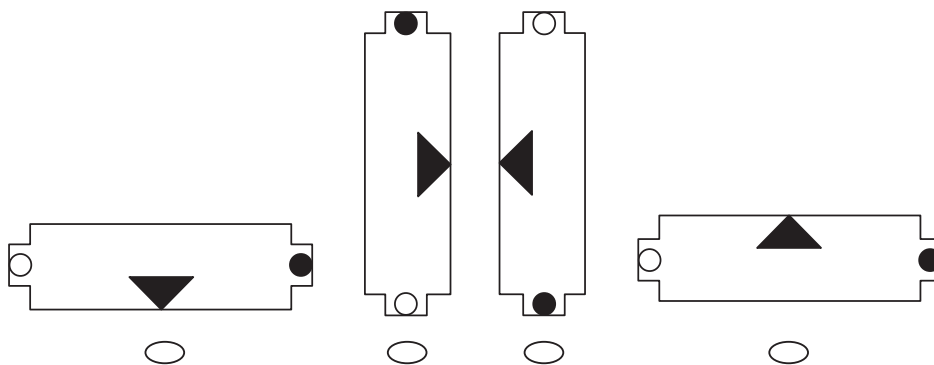
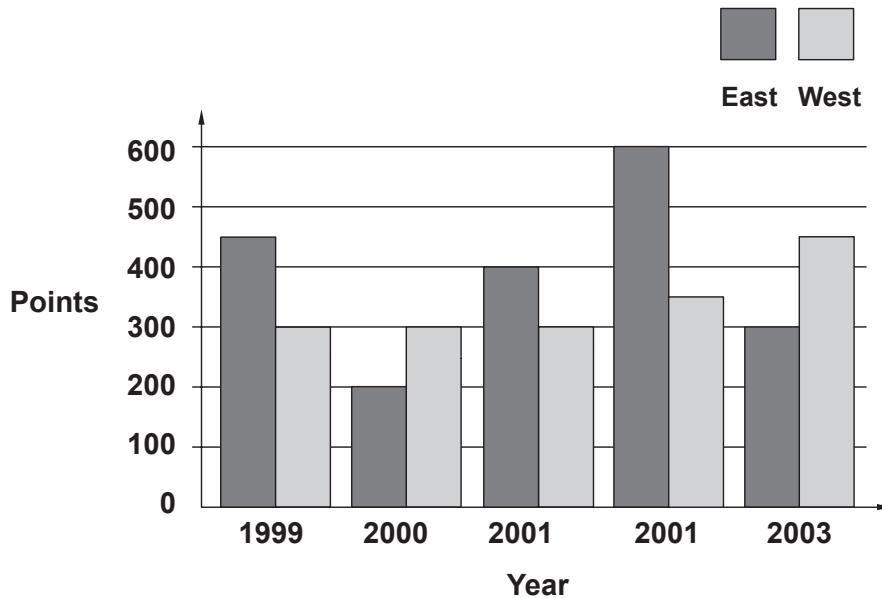**24** The shape below has been rotated a quarter turn clockwise.

What did the shape look like before it was rotated?

Shade one bubble.

Year 7 Numeracy

25 A school plays netball each year.
There are two teams.
Here are their results.

Shade one bubble.
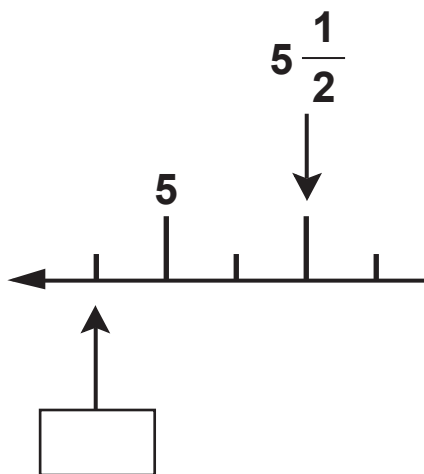
East   West

Points

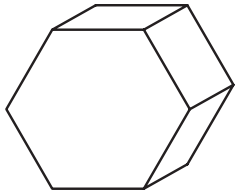**What is the average (mean) difference in points?**

○ 100   ○ 150   ○ 200   ○ 250

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26 Write the number that goes on the number line inside the box.

$5\frac{1}{2}$

5

Shade one bubble

○ 4   ○ $4\frac{1}{4}$ ○ $4\frac{1}{2}$ ○ $4\frac{3}{4}$
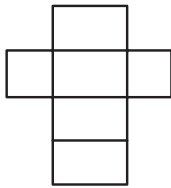
27

Which is the net of this hexagonal prism?

○   ○   ○   ○
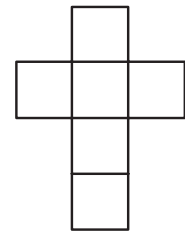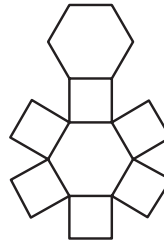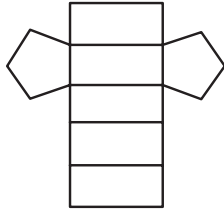
28   An isosceles triangle is drawn.

40°

What is the size of angle *A*?

☐☐ °

A
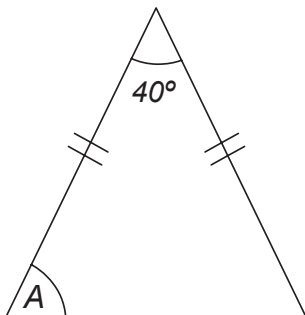
29

Dan and his friends are planning a party.

Each person at the party will get 3 slices of pizza and 2 cans of drink.

They make 9 pizzas with 5 slices in each. How many cans of drink do they need?

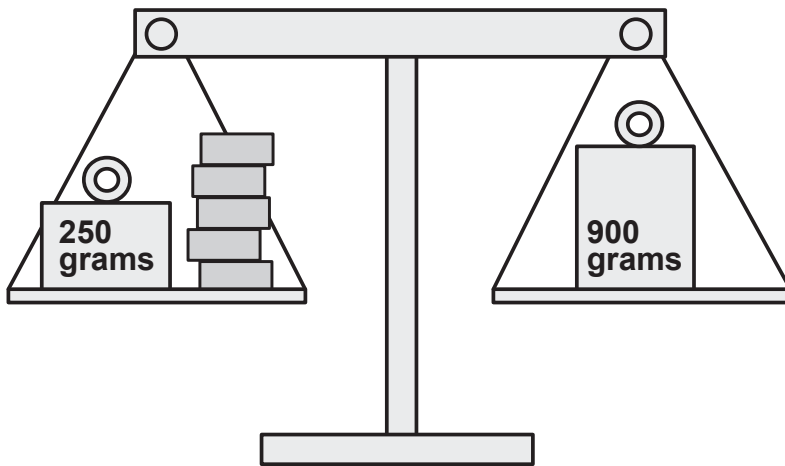○ 45   ○ 30   ○ 25   ○ 15

30 Bec has 5 blocks that are all the same weight. She balances them on the scale with 2 weights.

Calculate the weight of 2 blocks.

Shade one bubble

◯ 250 g   ◯ 260 g   ◯ 300 g   ◯ 350 g

END OF TEST