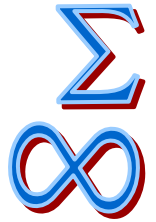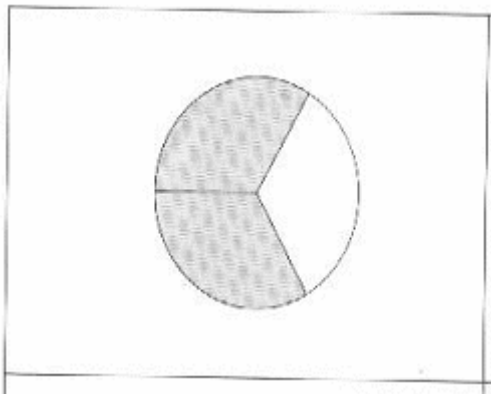# North South Foundation

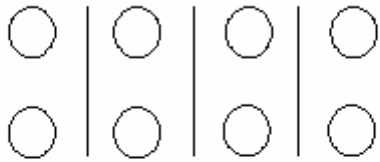# Math Bee – Level   2

## SAMPLE QUESTION PAPER

**Question 1**: There were 3245 people at a parade. 1400 of them were men, 980 were women. How many children were there?

**Question 2:** 6523 people are on board a ship. 3806 of them are males. How many are females?

**Question 3:** What fraction of the following figure is shaded?

**Question 4:** Find the value of the following?

---

$$\bigcirc \mid \bigcirc \mid \bigcirc \mid \bigcirc$$
$$\bigcirc \mid \bigcirc \mid \bigcirc \mid \bigcirc$$

$$\frac{1}{4} \text{ of } 8 = \frac{1}{4} \times 8$$
$$=$$

**Question 5:** Multiply

$0.02 \times 9 =$

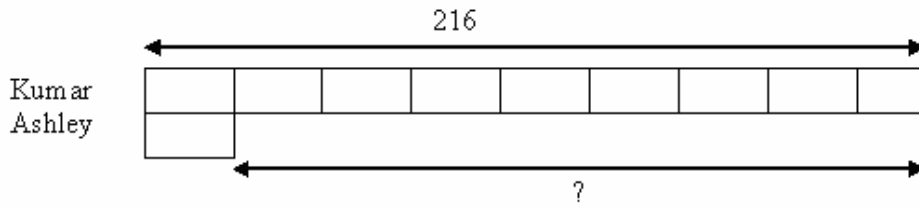**Question 6:** Divide. Give both quotient and remainder.

$307 \div 20 =$

**Question 7:**
The usual price of a clock was $60. On sale, it was sold at a discount of 20%. How much was the discount?

**Question 8:**

Kumar has 216 cards. He has 9 times as many cards as Ashley. How many more picture cards does Kumar have than Ashley?



**Question 9:**

I have rectangular wire frame, which has a length of 4 feet and a width of 2 feet. I opened it up and made a square wire frame out it. What is the length of its side, in ft?

**Question 10:**

Jane weighs 60 lb 12 oz. Laura weighs 87 lb 5 oz. How much lighter is Jane than Lara?

Remember, 1 lb = 16 oz. Please write your answer on the answer sheet.

**Question 11:**

What number when divided by 8 gives a quotient of 175 and a remainder of 3?

**Question 12:**

Divide 3.56 by 6 and give your answer in two decimal places.

**Question 13:**

Calculate: $(5 + 5 - 5) + (5 - 5 + 5) - (5 - 5 - 5)$

**Question 14:** Express the following fraction as a percentage.

$$\frac{23}{100} = \underline{\hspace{4cm}}$$

**Question 15:**

Figure A is made up of 2 isosceles triangles. Five such shapes are arranged to form a star in a pentagon (5-sided figure) as shown in Figure B. Find $p$.
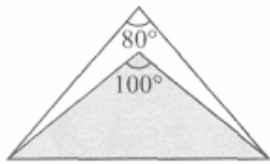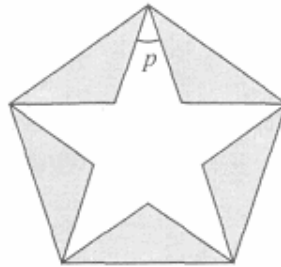


Figure A                    Figure B

Hint: The sum of interior angles of a pentagon is $540^\circ$

**Question 16:** Matthew took 20 minutes to walk from his house to school. He reaches school at 7:10 a.m.
When did he leave his house?

**Question 17:**

A number N divides each of 17 and 30 with the same remainder in each case. What is the largest value N can have?

**Question 18:**

A slow clock loses 3 minutes every hour. Suppose the slow clock and a correct clock both show the correct time at 9 A.M. What time will the slow clock show when the correct clock shows 10 o'clock the evening of the same day?

Make sure you write AM or PM in your answer.

**Question 19:**

In the multiplication example at the right, A and B represent different digits, AB is a two-digit number and BBB is a three-digit number. (*means multiply.) What two-digit number does AB represent?

$$\begin{array}{r} A\ B \\ *\ \ \ 6 \\ \hline B\ B\ \ B \end{array}$$

**Question 20:** Gary collected 48 postcards. He collected 4 times as many postcards as Ryan. How many postcards did Ryan collect?

| Qn. # | Answer |
|-------|--------|
| 1 | 865 |
| 2 | 2717 |
| 3 | 2/3 |
| 4 | 2 |
| 5 | 0.18 |
| 6 | 15 remainder 7 |
| 7 | $12 |
| 8 | 192 |
| 9 | 3 |
| 10 | 26 lb 9 oz |
| 11 | 1403 |
| 12 | 0.59 |
| 13 | 15 |
| 14 | 23 % |
| 15 | P = 28 degrees |
| 16 | 6:50 am |
| 17 | 13 |
| 18 | 9:21 or 21:21 |
| 19 | 74 |
| 20 | 12 |