# Foreword

**Conquer Mathematics Geometry • Picture Graphs Book 2** is specially designed to equip students with basic skills to solve questions involving geometry and picture graphs.

This book comprises 100 exercises that consist of multiple-choice and short-answer questions. The exercises are diagnostic in nature, and the worked solutions will help students understand where they have committed careless mistakes. Students who work through the series of extensive exercises will be able to understand the concepts easily.

Revision exercises are included for extra practice. Answers are provided for easy self-assessment. The pages of the book are perforated so that each exercise can be easily detached and used as a worksheet for classroom and/or home learning. In addition, teachers and students can choose the exercises to work on, or as a resource for enrichment work to complement the textbook.

The exercises will help students to develop mathematical proficiency. This book will be useful to all students keen on acquiring and building essential foundation skills in mathematics.

**The Editorial Team**

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# Exercise 1

NAME: .....

DATE: ..... CLASS: .....

/10 marks

**For each question, four options are provided. Choose the correct answer.**

**Use the graph below to answer Questions 1 to 3.**

The graph shows the types of sports a group of children take part in.

| | |
|---|---|
| Soccer | △ △ △ △ |
| Swimming | △ △ △ △ △ |
| Jogging | △ △ △ |
| Badminton | △ △ △ △ △ △ |

Each △ stands for 1 child.

**1** How many children take part in badminton?

(1) 5 (2) 6 (3) 3 (4) 4 ( )

**2** 5 children take part in _____.

(1) soccer (2) swimming (3) jogging (4) badminton ( )

**3** How many more children take part in badminton than in soccer?

(1) 1 (2) 2 (3) 3 (4) 4 ( )

**Use the graph below to answer Questions 4 and 5.**

The graph shows the number of stamps each boy collected.

| | |
|---|---|
| Adam | ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ |
| Ben | ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ |
| Corey | ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ |
| Don | ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ |

Each ☆ stands for 1 stamp.

**4** Who collected the most number of stamps?

(1) Adam (2) Ben (3) Corey (4) Don ( )

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**5** Don and Adam collected _____ stamps altogether.

(1) 10 (2) 12 (3) 16 (4) 18 (  )

**Use the graph below to answer Questions 6 and 7.**

The graph shows the number of muffins sold at a bakery over 5 days.

| | |
|---|---|
| Monday | ● ● ● ● ● ● ● ● ● ● |
| Tuesday | ● ● ● ● ● ● ● ● |
| Wednesday | ● ● ● ● ● ● ● ● ● ● ● ● |
| Thursday | ● ● ● ● ● ● ● ● ● ● |
| Friday | ● ● ● ● ● ● ● ● ● ● ● ● ● ● |

Each ● stands for 1 muffin.

**6** The most number of muffins was sold on _____.

(1) Monday (3) Thursday
(2) Wednesday (4) Friday (  )

**7** _____ more muffins were sold on Thursday than on Tuesday.

(1) 6 (2) 2 (3) 10 (4) 4 (  )

**Use the graph below to answer Questions 8 to 10.**

The graph shows the number of stickers some girls collected.

| | |
|---|---|
| Lisa | □ □ □ □ □ □ □ □ |
| Judy | □ □ □ □ |
| Kate | □ □ □ □ □ □ □ □ □ □ □ □ |
| Donna | □ □ □ □ □ □ □ □ □ □ |

Each □ stands for 1 sticker.

**8** _____ collected the most number of stickers.

(1) Lisa (2) Judy (3) Kate (4) Donna (  )

**9** Donna collected 2 fewer stickers than _____.

(1) Lisa (2) Judy (3) Kate (4) Donna (  )

**10** Lisa and Judy collected _____ stickers in all.

(1) 10 (2) 12 (3) 14 (4) 16 (  )

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# Exercise 2

NAME: .....

DATE: ..... CLASS: .....

/10 marks

**For each question, four options are provided. Choose the correct answer.**

**Use the graph below to answer Questions 1 to 3.**

The graph shows the number of animals on a farm.

| | |
|---|---|
| Cow | ❖ ❖ ❖ ❖ |
| Goat | ❖ ❖ ❖ ❖ ❖ ❖ |
| Chicken | ❖ ❖ ❖ ❖ ❖ ❖ ❖ ❖ ❖ ❖ ❖ ❖ |
| Duck | ❖ ❖ ❖ ❖ ❖ |

Each ❖ stands for 1 animal.

**1** There are _____ chickens on the farm.

(1) 7 (2) 10 (3) 12 (4) 4 ( )

**2** There are _____ more goats than cows.

(1) 6 (2) 2 (3) 10 (4) 4 ( )

**3** There are _____ animals on the farm altogether.

(1) 20 (2) 25 (3) 27 (4) 29 ( )

**Use the graph below to answer Questions 4 to 6.**

The graph shows the amount of money collected by some children during a charity event.

| | |
|---|---|
| Elijah | ❄ ❄ ❄ ❄ ❄ |
| Samuel | ❄ ❄ ❄ |
| Harold | ❄ ❄ ❄ ❄ ❄ ❄ |
| Zac | ❄ ❄ |

Each ❄ stands for $10.

**4** Who collected the most amount of money?

(1) Elijah (2) Samuel (3) Harold (4) Zac ( )

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**5** How much money did Elijah collect?

(1) $5 (2) $15 (3) $25 (4) $50 ( )

**6** Harold collected _____ more than Zac.

(1) $80 (2) $20 (3) $60 (4) $40 ( )

**Use the graph below to answer Questions 7 and 8.**

The graph shows the number of apples each farmer sold.

| | |
|---|---|
| Farmer A | ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ |
| Farmer B | ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ |
| Farmer C | ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ |
| Farmer D | ▣ ▣ ▣ ▣ ▣ ▣ ▣ ▣ |

Each ▣ stands for 2 apples.

**7** Farmer _____ sold the most number of apples.

(1) A (2) B (3) C (4) D ( )

**8** Farmer B sold _____ more apples than Farmer D.

(1) 6 (2) 2 (3) 8 (4) 4 ( )

**Use the graph below to answer Questions 9 and 10.**

The graph shows the amount of money Lisa saves in a week.

| | |
|---|---|
| Monday | ⌘ ⌘ |
| Tuesday | ⌘ ⌘ |
| Wednesday | ⌘ ⌘ ⌘ |
| Thursday | ⌘ |
| Friday | ⌘ ⌘ ⌘ ⌘ |

Each ⌘ stands for $2.

**9** Lisa saves _____ on Wednesday.

(1) $5 (2) $6 (3) $3 (4) $4 ( )

**10** She saves _____ more on Friday than on Monday.

(1) $6 (2) $2 (3) $8 (4) $4 ( )

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