

MATHEMATICS YEAR 4

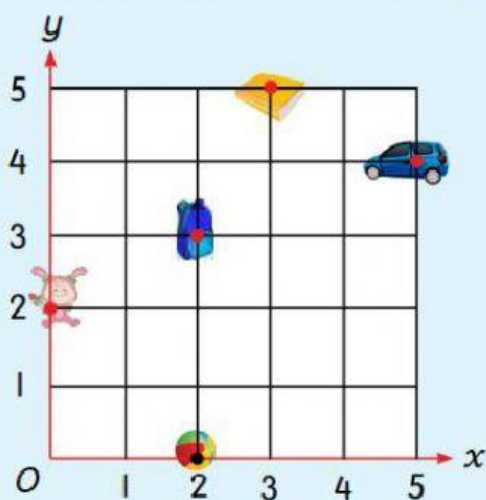
COORDINATES, RATIO AND PROPORTION
PROBLEM SOLVING

WATCH THE VIDEO BELOW.

QUESTIONS FROM

MATHEMATICS YEAR 4 TEXTBOOK PAGE 229

- 1** A Cartesian plane shows items sold in Goh's Shop. The price of the items are shown in the following table.



Item	Price
	RM24.00
	RM8.50
	RM6.00
	RM17.80
	RM9.00

- a** State the coordinate of:

i) Ball

- A (1, 2)
- B (2, 0)
- C (3, 0)
- D (0, 2)

ii) Toy car

- A (4, 5)
- B (2, 3)
- C (3, 2)
- D (5, 4)

- b Amalina bought the items situated at the coordinates of (0, 2), (3, 5) and (2, 3). Calculate the total payment.

- A RM20.50 C RM34.20
B RM23.50 D RM38.50

- 2 The picture shows Shahir's pet cat. Chan has 3 cats more than Shahir. What is the ratio of the number of Shahir's cats to the number of Chan's cats?



- A 1 : 3 C 4 : 1
B 3 : 1 D 1 : 4

- 3 The following table shows the length of blue and green wooden planks.

Colour of wooden plank	Blue	Green
Length of wooden plank	1 m	200 cm longer than the blue wooden plank

State the ratio of the length of the blue wooden plank to the length of the green wooden plank.

**Step 1 : Find of length of green wooden plank
(convert the units)**

- A 1 m + 200 cm
B 10 cm + 200 cm
C 100 cm + 200 cm
D 200 cm - 100 cm

Step 2 :

Ratio of the length of blue wooden plank to the length of the green wooden plank

A $100 : 300$

B $10 : 200$

C $1 : 200$

D $1 : 3$

- 4 Victor drives his car at a regular speed of 240 km in 3 hours. What is the distance he travelled in 5 hours at the same speed?

Step 1 : Find the distance for 1 hour

A $240 \div 5 = 48 \text{ km}$

B $5 \div 200 = 48 \text{ km}$

C $3 \div 240 = 80 \text{ km}$

D $240 \div 3 = 80 \text{ km}$

Step 2 : Find for 5 hours.

A $5 \times 80 = 400 \text{ km}$

B $5 \times 48 = 240 \text{ km}$

C $3 \times 80 = 240 \text{ km}$

D $5 \times 15 = 75 \text{ km}$