

YEAR/LEVEL: 8

ANSWER BOOKLET

1. SUBJECT: Mathematics

Solve these problems

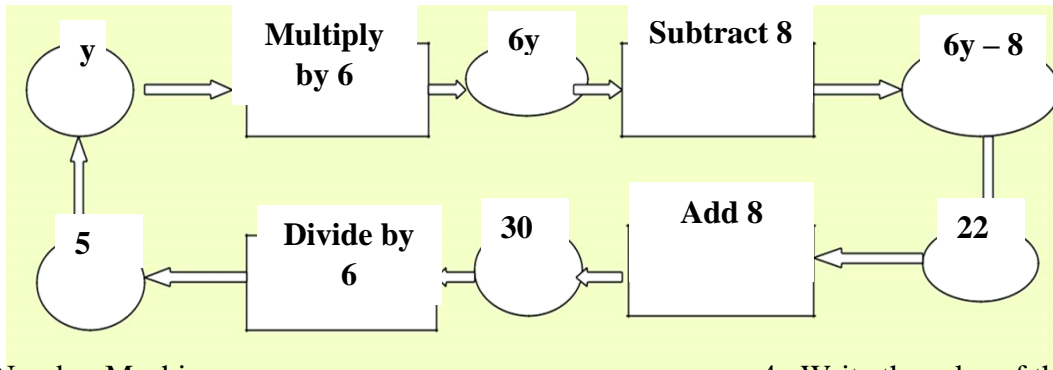
(i) $3p + 5 = 35$

(ii) $a^m \times a^n = a^{m+n}$

$3p + 5 - 5 = 35 - 5$

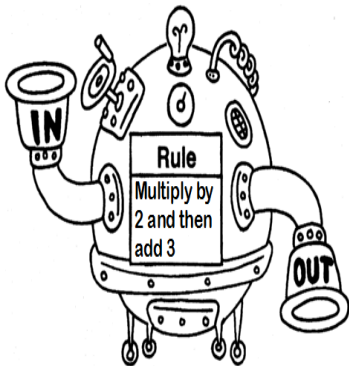
$3p \div 3 = 30 \div 3$
 $= 10$

2. Use this flow chart to solve the equation $6y - 8 = 22$



3. Number Machine

4. Write the rules of the number machines.



IN	OUT
7	12
24	29
3	8
16	21
35	40

IN	OUT
25	20
8	3
11	6
42	37
13	8

Complete the table using the Number Machine.

Input	2	3	6	8	10
Output	7	9	15	19	23

Rule: $r = i + 5$

Rule: $r = i - 5$

SUBJECT: English

Reading and Viewing

Complete these sentences

1. Pandanus tree is also known as **screw pine**.
2. Pandanus leaves are used for mats and **clothing**.
3. Pandanus tree first grew in **Micronesia**.
4. Pandanus fruits can be eaten **raw** and cooked.

Writing and Shaping

EXERCISE : Can you find some features in this song extract.

PRAISE HIS NAME by Jeff and Sheri Easter

Verse 1

When you're up against a wall
And your mountain seems so tall
And you realize that life's not always fair
You can run away and hide
Let the old man decide
Or you can change your circumstances with a prayer

Chorus

When everything falls apart
Praise His Name
And when you have a **broken heart**
Just raise your hands and say
Lord, you're all I need
You're everything to me
And you'll take the pain away
When it seems you're all alone
Praise His Name

Features: Adjectives:
tall, old, broken

Rhyming words:
wall,-tall, hide,-decide

Metaphor:
broken heart- the heart cannot break.
Simply means how hurt or sad someone is.

SUBJECT: Basic Science

Reactions, Reactants and Products

SUBJECT: Social Science

1. Define the following terms

- i. Latitude- is a geographic coordinate that specifies the north–south position of a point on the Earth's surface.
- ii. Longitude is a geographic coordinate that specifies the east–west position of a point on the Earth's surface

2. List 3 climatic regions of the world.

polar, temperate, arid, tropical, Mediterranean and tundra.

3. How does climate affect people in those regions?

- **Daily tasks are affected.**
- **Affects social life.**
- **Affects lifestyle.**

SUBJECT: Art And Craft

EXERCISE

1. Order E, B, D, C, A

2. In the space provided create one still life drawing.



SUBJECT: Music

Draw a Musical Instrument you can play.

Any musical Instrument.

Physical Education

1. Define *Force Summation*. **The force of each different body segment is added to the final segment used to hit, release, or make contact, in a given sport, there-by maximising end force generated.**
2. Why is it important to maximise force or speed in events you are taking part in?
To get the best result in events.