

Homework 27

1. Name the tool shown opposite.



(Page 38) (1)

2. Name the tool shown opposite.



(Page 39) (1)

3. Name the tool shown opposite.



(Page 39) (1)

4. Name the tool shown opposite.



(Page 32) (1)

5. Name the tool shown opposite.



(Page 29) (1)

6. Name the tool shown opposite.



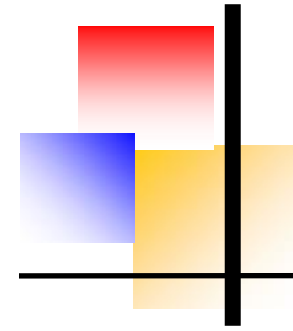
(Page 30) (1)

7. Name the tool shown opposite.



(Page 27) (1)

Total Marks 7



Rosshall Academy

Technical Department



Knowledge & Understanding Homework in Working with Wood

Name.....

Class



Homework 1

1. Briefly explain the meaning of the term "**Grain**" when referring to timber. (Page 7) (2)

2. Wood is classified into two groups name each. (Page 7) (2)

3. Name two types of hardwood. (Page 7) (2)

4. Name two types of softwood. (Page 7) (2)

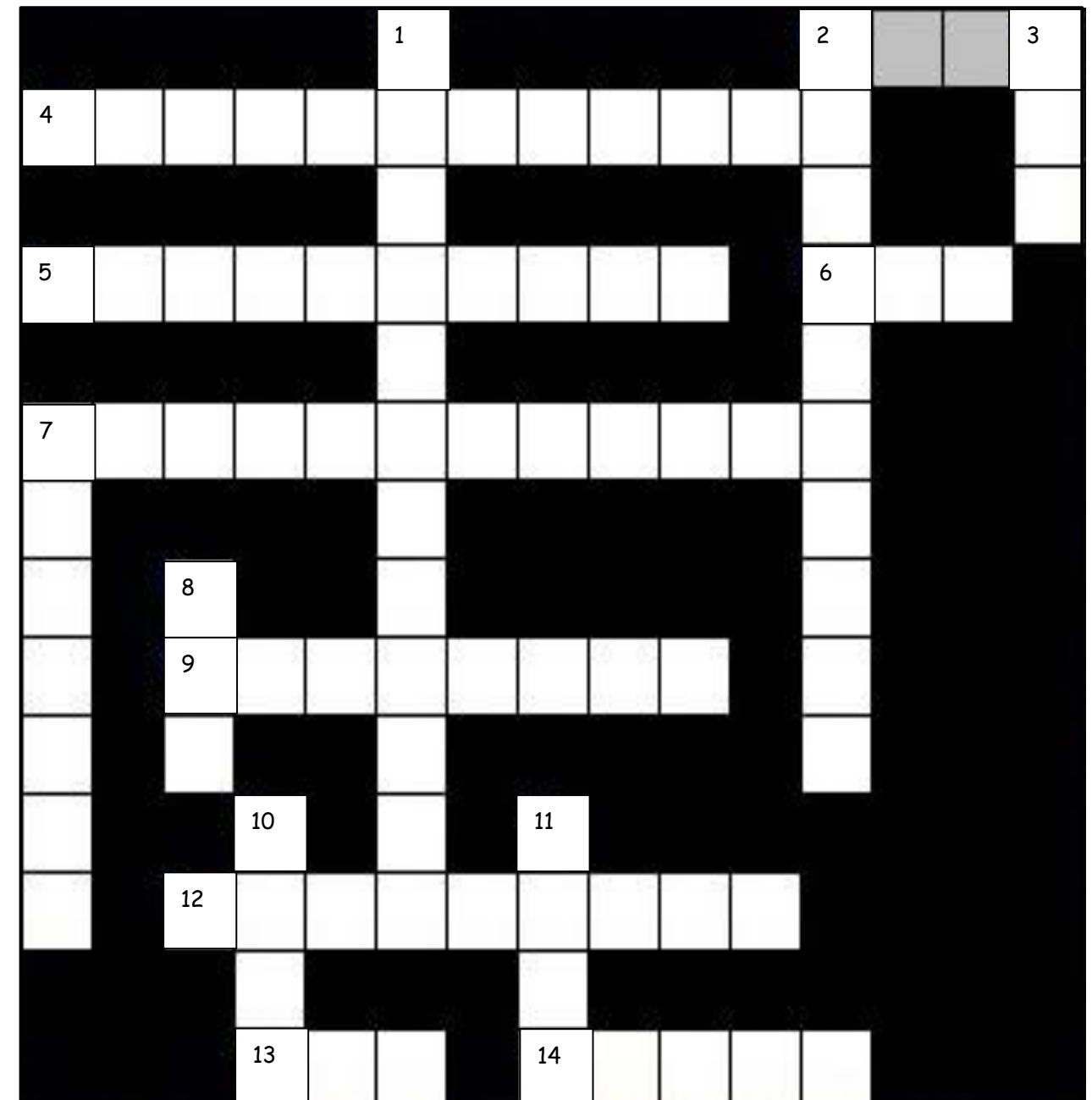
5. Timber is supplied to the school workshops in different sized sections, sketch two types of section supplied to the workshop. (Page 10) (2)

6. Safety is of major importance in any workshop, list four safety rules which must be observed when working in the workshop. (Page 3-5) (4)

7. When referring to timber what is meant by the term **Finishing**? (Page 19) (2)

Total Marks 16

Homework 26



Clues

Across

2. Type of hammer (p24).
4. Used in wood turning (p41).
5. Drills holes in wood (p34).
6. Used to check angles are square (p26).
7. Marks lines parallel to an edge (p26).
9. Type of joint (p13).
12. Punches nails (p26).
13. Type of glue (p24).
14. Type of saw (p25).

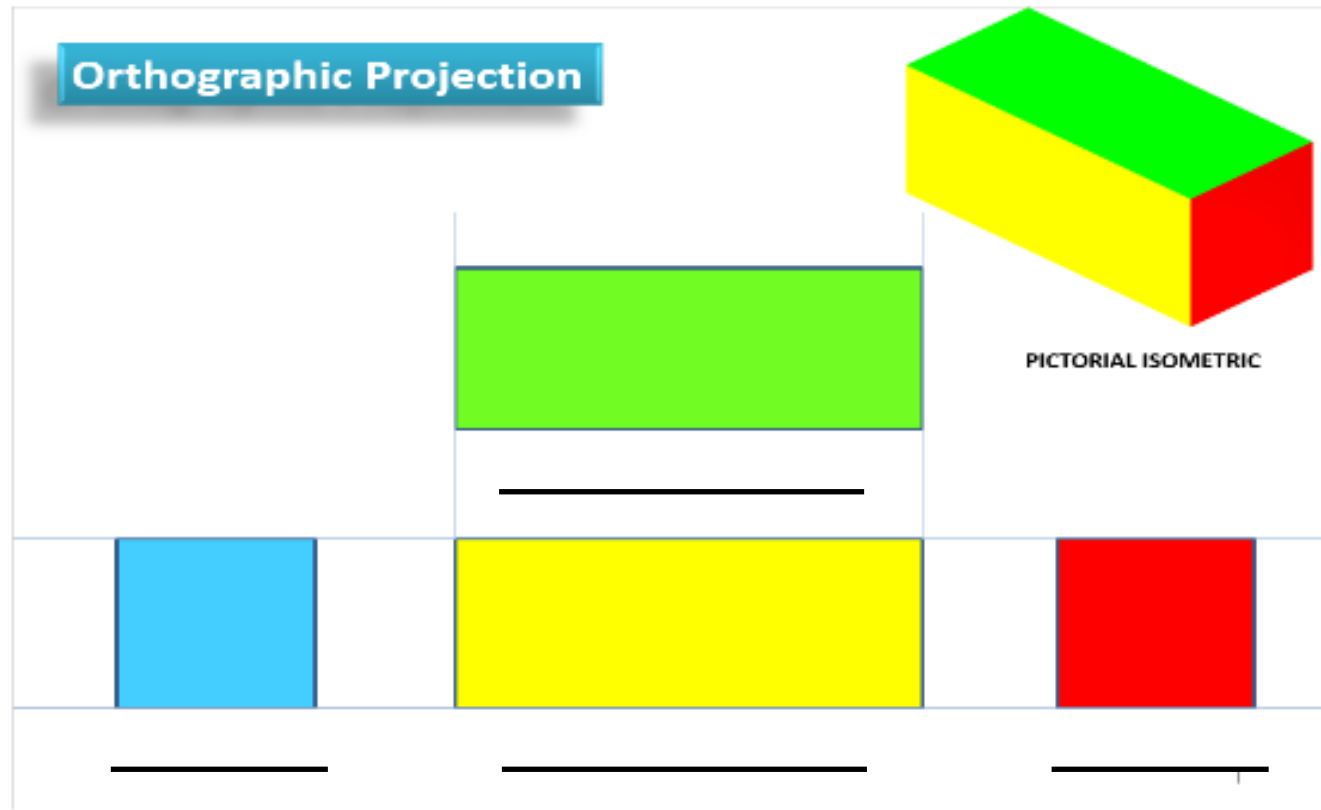
Down

1. Marks angles on wood (p31).
2. A type of line used in drawings (p48).
3. Type of finish (p19).
7. Type of chisel (p28).
8. Manmade board (p12).
10. Type of wood file (p31).
11. Type of joint (p13).

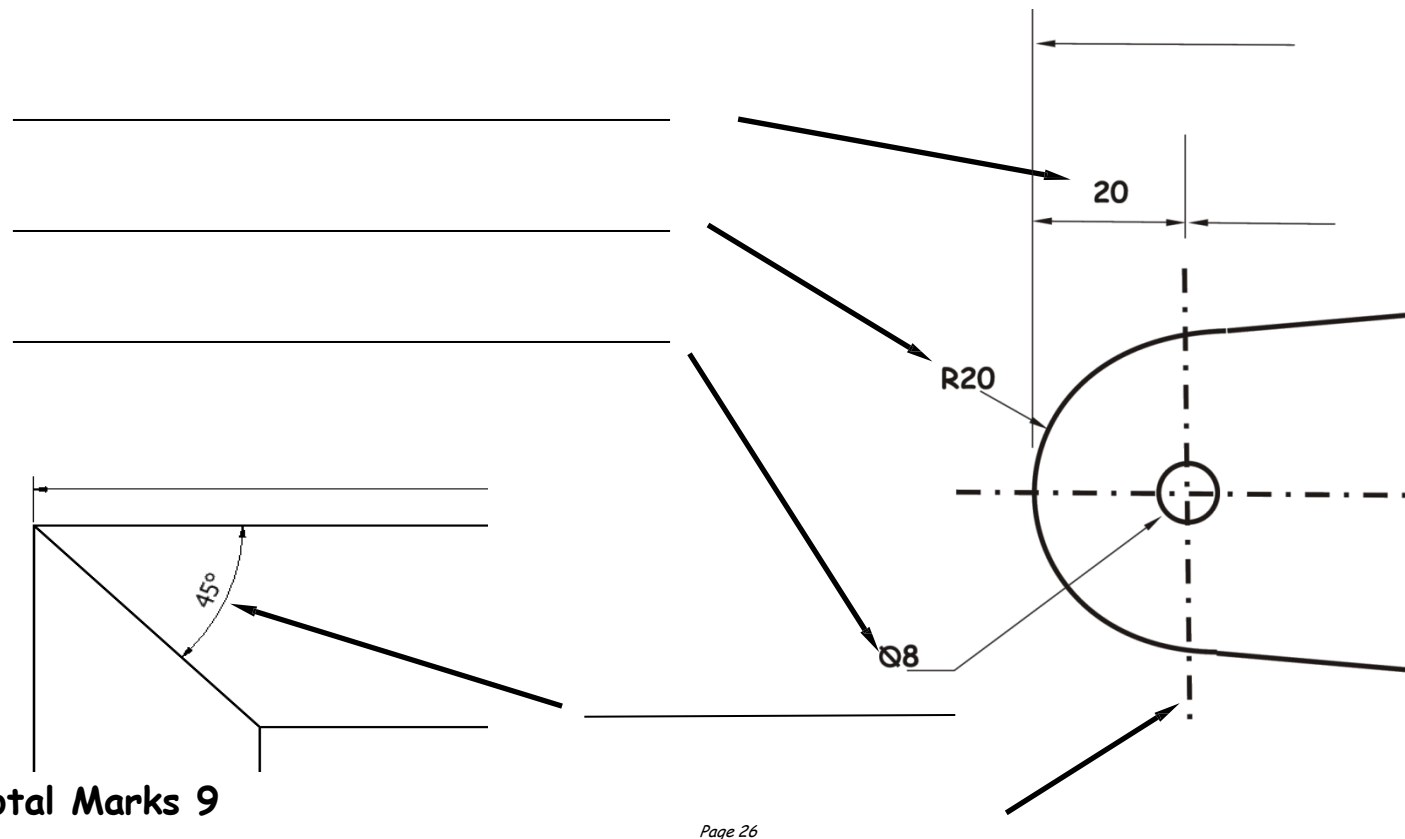
Total Marks 16

Homework 25

1. Name the missing **Orthographic** views in the drawing below. (Page 47) (4)



2. Complete the following diagrams? (Page 48) (4)



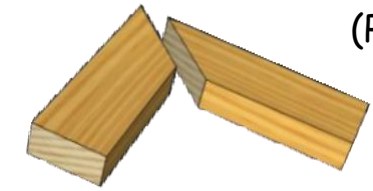
Total Marks 9

Homework 2

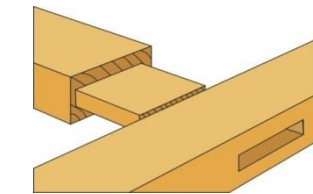
1. Name two types of finish which could be used on wood. (Page 19) (2)

2. Timber joints are used to join two pieces of timber together; name two factors which would determine what type of joint should be made. (Page 13) (2)

3. Name the joint. (Page 14) (1)



4. Name the joint. (Page 15) (1)



5. Why are very wide boards in softwood and hardwood very rare? (Page 11) (2)

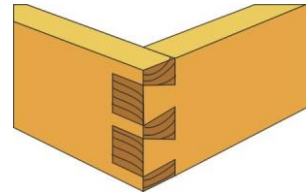
6. In your answer to question number five how has this problem been overcome? (Page 11) (2)

7. Briefly explain how the man-made board **Plywood** is constructed. Use sketches to help with your answer (Page 11) (2)

Total marks 12

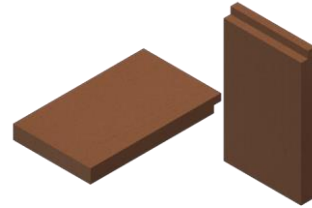
Homework 3

1. Name the joint opposite..



(Page 16) (1)

2. Name the joint opposite.



(Page 16) (1)

3. Briefly explain how **Blockboard** is constructed.

(Page 11) (2)

4. Briefly explain how **Chipboard** is constructed.

(Page 11) (2)

5. What is the most commonly used glue found in the school workshop and state how excess glue should be removed?

(Page 24) (2)

6. Briefly explain the purpose of the **Cross Pein** hammer.

(Page 25) (2)

7. Saw teeth are usually SET, briefly explain what is meant by this term and the reason for setting the teeth.

(Page 25) (2)

8. What is the purpose of a **Hole Saw**?

(Page 25) (1)

Total marks 13

Homework 24

1. What is the difference between a **Revolving** and a **Dead Centre**.

(Page 40) (2)

4. What is a **Spindle Gouge** used for?

(Page 41) (2)

5. Name the tool shown opposite?

(Page 41) (1)



6. Sketch a **Face Plate**.

(Page 42) (2)

7. What is **Skew Chisel** used for ?

(Page 41) (2)

7. Sketch the cross section of an **Oval Brad** nail.

(Page 43) (2)

Total Marks 15

Homework 23

1. Identify the different parts of the **Woodwork Lathe**. (Page 40) (7)



2. What is the **Parting Tool** used for? (Page 40) (2)

3. What is the **Round Scraper** used for? (Page 40) (2)

4. What is the **Parting** tool used for? (Page 40) (2)

Total Marks 13

Homework 4

1. Name the two component parts of a **Try Square**. (Page 26) (2)

2. Briefly describe the purpose of a **Marking Gauge** and name two component parts. (Page 26) (3)

3. Name four types of man-made board. (Page 11) (4)

4. Name the tool opposite. (Page 25) (1)



5. Sketch a **Carpenters Mallet**. (Page 32) (2)

6. Briefly explain how wood is categorised. (Page 7) (2)

7. Name the tool opposite. (Page 26) (1)



8. Name two types of chisel found in the school workshop. (Page 28) (2)

9. Name the mallet used to hit chisels. (Page 32) (1)

Total Marks 18

Homework 5

1. What is the purpose of a **Mortise Gauge**? (Page 30) (2)

2. What is the most commonly used type of rasp found in the school workshop? (Page 31) (1)

3. What type of plane is used to trim end grain, mitres or interlocking grain? (Page 36) (1)

4. What is the purpose of a **Sliding Bevel**? (Page 31) (1)

6. State the name of the plane used to trim the bottom of housing joints to a set depth. What other name is this plane known by? (Page 36) (2)

6. A **Mitre Square** is used to check angles, what are these angles? (Page 29) (2)

7. State two safety precautions which should be observed whilst working in the school workshops. (Page 3) (2)

Total Marks 11

Homework 22

1. What is the purpose of a **Countersunk** screw. (Page 44) (2)

2. Sketch a **Countersunk** Screw Head. (Page 44) (2)
3. What is a **Cross Dowel** and what is it used for? (Page 45) (2)

4. What are **Round Wire** nails used for? (Page 43) (2)

5. Sketch a **Round Wire** nail. (Page 43) (2)
6. What is a **Corner Angle Bracket**? (Page 45) (2)

7. Sketch a **Corner Angle Bracket**. (page 45) (2)

Total Marks 14

Homework 21

1. Name the plane shown opposite.



(Page 36) (1)

2. What is the purpose of the plane shown above.

(Page 36) (2)

3. What is the purpose of a **Spoke Shave**?

(Page 36) (2)

4. Name two components used to sharpen a chisel.

(Page 37) (2)

5. Name the machine shown opposite.



(Page 37) (1)

6. Name four stages in preparing a piece of wood for turning. (Page 42) (4)

7. Using sketches show the difference between a sharp chisel and a blunt one.

(Page 10) (2)

Total Marks 14

Homework 6

1. Briefly explain what **MDF** is and how it is constructed. (Page 12) (2)

2. Name the tool shown opposite.



(Page 30) (1)

3. When referring to timber what is meant by the term **Finishing**?

Name two types of finish which could be applied to wood. (Page 19) (3)

4. Name the tool shown opposite.



(Page 31) (1)

5. Wood is classified into two groups name each. (Page 7) (2)

6. Name the Plane shown opposite.



(Page 35) (1)

7. Name the tool shown opposite



(Page 39) (1)

Total Marks 11

Homework 7

1. Name four wood turning chisels. (Page 41) (4)

2. Briefly explain the four stages when applying a coat of varnish. (Page 19) (4)

3. Describe a method of checking whether a frame carcass is square. (Page 21) (2)

4. What is the purpose of a **Fret Saw**? (Page 27) (1)

5. Explain the difference between a **Rip Saw** and a **Cross Cut Saw**. (Page 27) (2)

6. Name three types of nail. (Page 43) (3)

7. What is the purpose of creating a **Countersink** in wood? (Page 44) (2)

8. Name the tool used to make a **Countersink** hole. (Page 44) (3)

Total Marks 21

Homework 20

1. What is a **Ratchet Brace** used for?. (Page 24) (2)

2. Explain what the term **String & Block** is used for. (Page 22) (2)

3. Explain the purpose of a **Dovetail** saw. (Page 29) (2)

4. Briefly describe the purpose of a **Marking Gauge** and name two component parts. (Page 26) (3)

5. State two safety precautions which should be observed whilst working in the school workshops. (Page 3) (2)

6. What is the purpose of a **Spoke Shave** plane. (Page 36) (2)

7. What is the most common type of glue used in a school workshop. (Page 24) (1)

Total Marks 14

Homework 19

1. What is the purpose of using a **Modesty Block**? (Page 7) (2)

2. Sketch a **Dowelled** joint. (Page 13) (2)

3. Name three stages in the preparation of timber. (Page 9) (3)

4. Name the two methods of cutting timber once it has been kiln Dried. (Page 9) (2)

5. Sketch a **Through Mortise & Tenon** joint. (Page 15) (2)

6. The grit size of sandpaper is usually stated as what? (Page 18) (1)

7. What can be used to fill small holes, cracks and gaps in unfinished wood.

(Page 17) (1)

Total Marks 13

Homework 8

1. Name two safety rules associated with the **Pillar Drill**. (Page 38) (2)

2. Briefly explain how the **Mortise** machine cuts a square hole. (Page 42) (2)

3. What is the purpose of a **Face Plate**? (Page 42) (1)

4. Name and describe two tools used in conjunction with the **Wood Turning Lathe**. (Page 40) (2)

5. State the purpose of the "**G**" **cramp**. (Page 23) (1)

6. Briefly explain what a **Wood Turning Lathe** is used for. (Page 40) (2)

7. State the purpose of the **Sash cramp**. (Page 23) (2)

8. Name three parts of a **Wood Turning Lathe**. (Page 40) (3)

Total Marks 15

Homework 17

1. Identify the tool shown opposite.



(Page 34) (1)

2. Name the parts of the smoothing plane that have been removed.

(Page 35) (11)



Total Marks 13

Homework 10

1. Briefly describe the purpose of **Pincers**.

(Page 26) (2)

2. In the space below, make a sketch of a cross section (cut through) of a **Bevel Edge Chisel**.

(Page 28) (2)

3. Sketch the tool used to create the **Countersink Hole** in a piece of wood.

(Page 44) (2)

4. Briefly describe the steps used to apply a varnish to a piece of wood.

(Page 19) (4)

5. Name two other finishes which can be applied to wood.

(Page 19) (2)

6. Name four parts of a **Mortise Gauge**.

(Page 20) (4)

Total Marks 16

Homework 11

1. Name 2 types of man-made boards (Page 11) (2)

2. Sketch a **Mitre** joint. (*Trace it*) (Page 14) (2)

3. What can be used to fill small holes, cracks and gaps in unfinished Wood? (Page 18) (1)

4. Give a brief descriptions of what a **Claw Hammer** used for? (Page 24) (2)

5. What is a **Dovetail Template** used for? (Page 32) (2)

6. Explain the difference between a **Boxwood Mallet** and a **Carpenters' Mallet**.

(Page 32) (2)

7. What are the three views shown on an **Orthographic Drawing**?

(Page 47) (3)

Homework 16

1. Identify the tool shown opposite. (Page 33) (1)



2. Sketch a **Cross Halving** joint . (Trace it) (Page 14) (2)

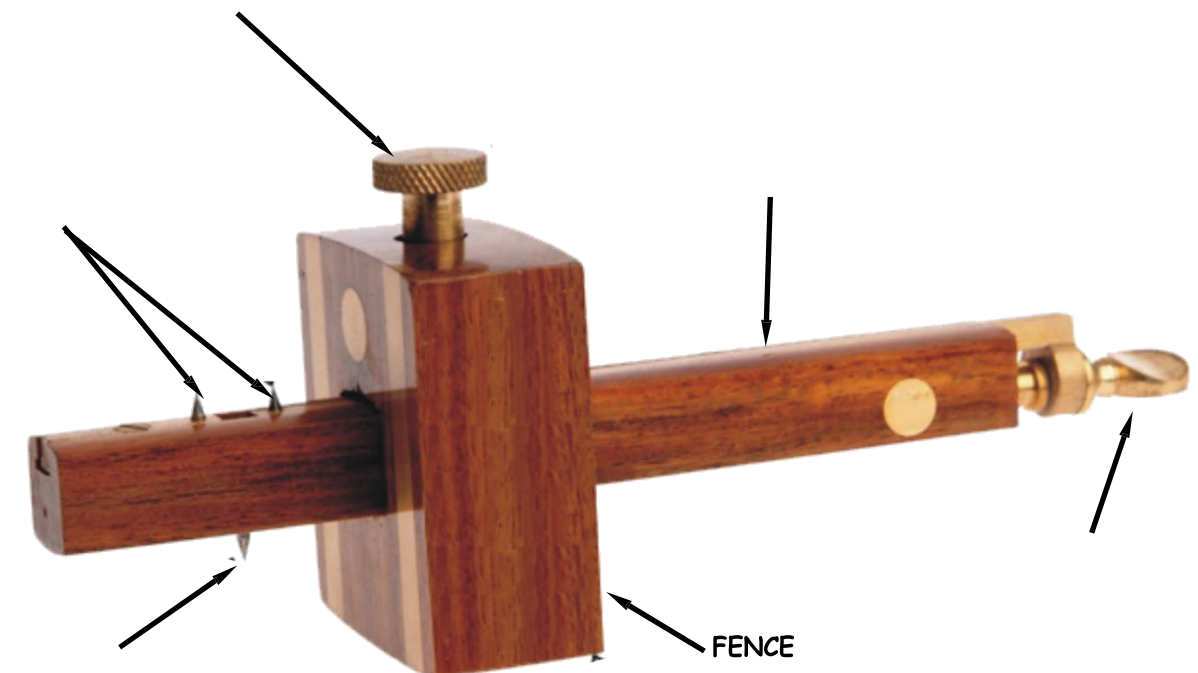
3. What must be worn if you see this sign?



(Page 6) (1)

4. Briefly describe the what a pad saw is used for? (Page 24) (2)

5. Name the parts of the mortise gauge that have been removed. (Page 30)(5)

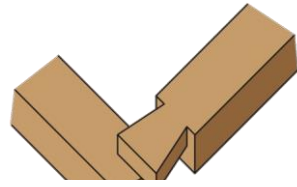


Total Marks 14

Total Marks 12

Homework 15

1. Name the joint opposite.



(Page 15) (1)

2. Sketch a **Through Housing** joint. (Trace it)

(Page 16) (2)

3. Briefly describe the purpose of a **Mortise Gauge** and name two component parts.

(Page 30) (2)

4. Briefly describe the purpose of a **Marking Gauge** and name two component parts.

(Page 26) (2)

6. Sketch the head of a **Phillips** head screwdriver.

(Page 31) (2)

7. Briefly explain the difference between **P60** and **P400** sandpaper.

(Page 33) (2)

Total Marks 11

Homework 12

1. Name two different **T-joints**.

(Page 15) (2)

2. Briefly describe how to sand a piece of wood by hand?

(Page 17) (3)

3. Sketch a **Corner Halving** joint . (*Trace it*)

(Page 14) (2)

4. Name three pieces of **PPE** (*personal Protective Equipment*) used in the workshop

(Page 6) (3)

5. Give a brief description of what **Sandpaper/Glasspaper** is

(Page 17) (2)

6. What must be worn if you see this sign?



(Page 6) (1)

7. What scale would you use if you were drawing an object half its actual size?

(Page 46) (1)

Total Marks 14

Homework 13

1. Briefly describe how Hardwood trees can be identified. (Page 7) (2)

2. Describe, including preparation, how to apply wax to a model. (Page 18)(3)

3. Describe the purpose of a **Sawing Board**. (Page 33) (3)

4. Name the most common man-made boards. (Page 11) (5)

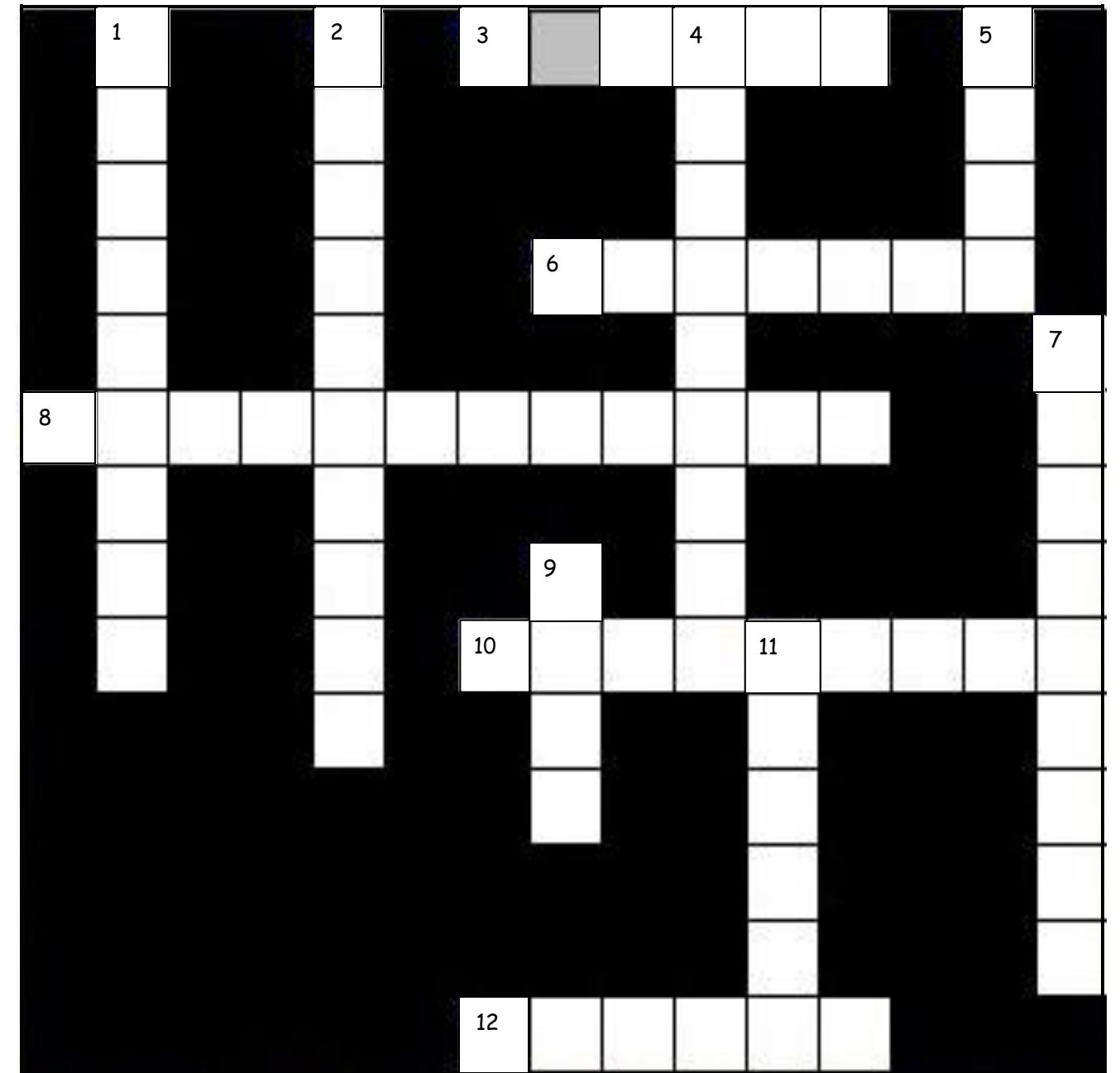
5. State two safety precautions which should be observed whilst working in the school workshops. (Page 4) (2)

6. Explain the difference between a **Inside Callipers** and a **Outside Callipers**. (Page 33) (2)

7. Sketch a **Butt** joint. (Trace it?) (Page 13) (3)

Total Marks 20

Homework 14



Clues

Across

3. Form of supply (p10).
 6. Type of hole cutter (p25).
 8. Wood turning tool (p41).
 10. Clamps frame (p23).
 12. Type of plane (p36).

Down

1. Type of hammer (p25).
 2. Drills holes in wood (p34).
 4. Punches nails (p26).
 5. Type of hammer (p24).
 7. Holds wood while turning bowls (p42).
 9. Type of plane (p35).
 11. Type of saw (p27).

Total Marks 12