



SWFS

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Teachers' notes.

These worksheets have been written by serving teachers and Fire Service personnel. The intention is that they are simple and attractive to use – child friendly. Behind every worksheet lies the same life saving message:

GET OUT - STAY OUT - CALL US OUT.

The worksheets have all been referenced to the Curriculum 2000. To save printing costs at schools, each sheet can be printed from the PC and photocopied either in colour or black and white.

The e-mail addresses mentioned on certain pages are live. Please encourage your children to use them – we want to hear from your school! This is also part of the Curriculum 2000, certainly covering communication skills in ICT!

To find the worksheet you need, simply click on the button at the end of each title. You will be taken straight there.

By using these worksheets alongside the web site, the Fire Service hopes that you, as a teacher, will have extension activities for your children. Through this cross -curricular use of ICT we intend that children become more aware of fire safety issues.



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Causes of fire in Britain (2a)



A table of the major causes of fire in Britain in one year.

Causes	Fires in Britain
Open fires	14,000
Smoking materials	8,000
Chip pans	13,200
Electricity	15,500
Matches	1,300
Forest fires	68,000

Answer the following questions using the table above.

- How many more fires are caused by chip pans than matches?
 - How many fewer fires are started by smoking materials than by chip pans?

 - What is the total number of fires per annum?
 - How many of these fires could have started at home?
 - Total the fires caused by open fires, chip pans and electricity and round your answer to the nearest 1000?
-

Name..... Date..... Year.....



Causes of fire in Britain (2b)



A table of the major causes of fire in Britain in one year.

Causes	Fires in Britain
Open fires	14,000
Smoking materials	8,000
Chip pans	13,200
Electricity	15,500
Matches	1,300
Forest fires	68,000

Answer the following questions using the table above.
Work out the percentages of the causes of fires, to two decimal places.

Matches	$\frac{1300}{120000}$	x	100	=	1.08%
Open fires	$\frac{14000}{120000}$	x	100	=	
Chip pan fires	$\frac{13200}{120000}$	x	100	=	
Electrical fires	$\frac{15500}{120000}$	x	100	=	
Smoking materials	$\frac{\quad}{120000}$	x	100	=	
Forest fires	$\frac{\quad}{120000}$	x	100	=	

Challenger

1. Use this data to create a pie chart.
2. Use a spreadsheet program to create a piechart, and a line graph .

Name..... Date..... Year.....



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Causes of fire in this area (2)



A table of the major causes of fire in this area in one year.

Causes	Fires in this area
Open fires	20
Smoking materials	145
Chip pans	460
Electricity	224
Matches	234
Forest fires	1,292

Answer the following questions using the table above.

- How many more forest fires there than those caused by matches?.....
- How many fewer fires are started by smoking materials than with matches?
- How many more fires are caused by chip pans than by electricity?.....
- What is the total number of fires caused by
chip pans, matches and smoking?
- What is the total number of fires per annum?
- Round all these numbers to the nearest 10
- Round all these numbers to the nearest 100

Name..... Date..... Year.....



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Causes of fire in the town of Smokewood



Here is a table of the major causes of fire in the town of Smokewood in one year. Use the data on the table below to draw a graph of the number of fires in Smokewood per annum.

Causes	Fires in Smokewood
Open fires	85
Smoking materials	30
Chip pans	80
Electricity	75
Matches	15
Forest fires	10

A Graph to show the Causes and Numbers of Fire in Smokewood per annum.

N° of fires.							
	0	Open Fires	Smoking materials	Chip pans	Electricity	Matches	Forest fires

Go up in units of 10

Name.....

Date.....

Year.....



Causes of Fire in the town of Smokewood 2



A table to show the major causes of fire in the town of Smokewood in one year.

Causes	Fires in Smokewood
Open fires	85
Smoking materials	30
Chip pans	80
Electricity	75
Matches	15
Forest fires	10

Answer the following questions using the table above.

1. How many fires are started by chip pans?
2. How many fires are started by matches?
3. How many more fires are caused by open fires than by smoking materials?
4. What is the total number of fires caused by chip pans, matches and smoking materials?
5. How many fires are there in total in Smokewood in one year?

Name..... Date..... Year.....



Causes of fire in the town of Blackway (2)



A table to show the major causes of fire in the town of Blackway in one year.

Causes	Fires in Blackway
Open fires	14
Smoking materials	8
Chip pans	13
Electricity	15
Matches	3
Forest fires	30

Answer the following questions using the table above.

How many fires are started by chip pans?

How many fires are started by matches?

How many more fires are caused by open fires than those caused by smoking materials?

What is the total number of fires caused by chip pans, matches and smoking materials?

How many fires are there in total in Blackway in one year?

Why do you think there are more forest fires in Blackway than in a city?

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Smoke Alarm Questionnaire



Use the web page about ‘Smoke Alarms’ to fill in the following table.

Number of house fires in Britain.	
Number of house fires in South Wales.	
Number of houses that had fires without smoke alarms in South Wales.	
Number of houses that were alerted by smoke alarms in South Wales.	

*A smoke alarm is the **ONLY THING** that will wake you up in the night if a fire starts in you home.*

1. Do you have a smoke detector in your home?

Yes No

2. If yes...how many do you have?

1(tick) 2 (tick) More (how many?)

3. Do they work? (Get a grown up to help you test them.)

Yes No



Name..... Date..... Year.....



Smoke Alarms



A table to show the number of fires and the number of houses with smoke alarms.

Number of house fires in Britain	72,200
Number of house fires in South Wales	1,578
House fires without smoke alarms fitted in South Wales	1,008
Number of house fires alerted by smoke alarms in South Wales	570

*A smoke alarm is the **ONLY THING** that will wake you in the night if a fire starts in you home.*

1. How many house fires are there in South Wales in one year? _____
2. How many house fires are there in Britain in one year? _____
3. What percentage of house fires in Britain occurred in South Wales?

$$\frac{1578}{72200} \times 100 =$$

4. What percentage of house fires in South Wales were alerted by smoke alarms?

$$\frac{\quad}{1578} \times 100 = \quad$$



Name.....

Date.....

Year.....