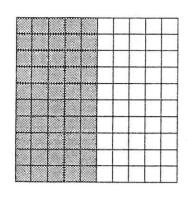
SMILE WORKCARDS

Percentages Pack One

Contents

	Title	Card Number
1	Out of 100 w/s	2133
2	Percentage Estimation w/s	2199
3	Percentages of Money w/s	2143
4	50% is Half Marks	1572
5	25% of What?	2236
6	Wage Bargaining	792
7	Percentages w/s	1095

Out of 100



50 squares are shaded out of 100 squares.



This is

<u>50</u> 100

or

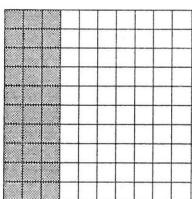
50%

or

50 per cent.

Complete these.

1.

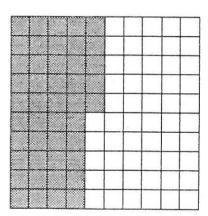


10000 10000

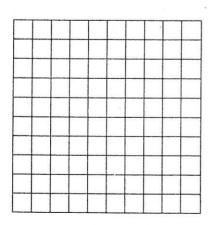
100

%

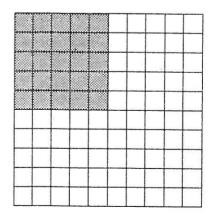
2.



3.



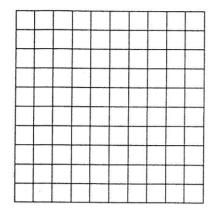
4.



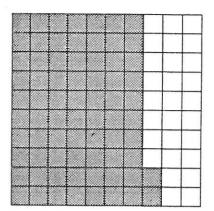


Now complete these.

5.

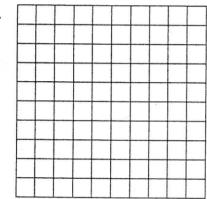


6.

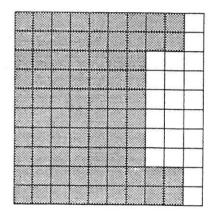


Name of Street, or other Designation of Street, or other Desig

7.



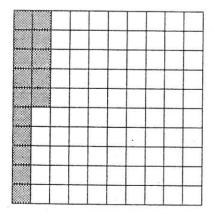
8.



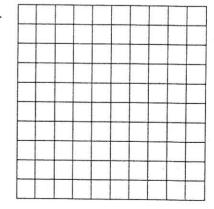
=



9.

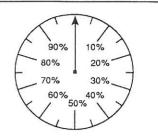


10.

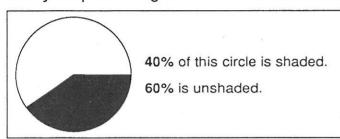


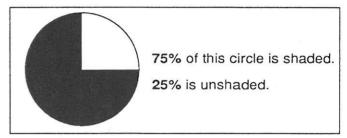
Percentage Estimation

You will need a **percentage measurer** (or trace and use this one).

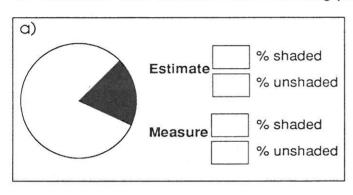


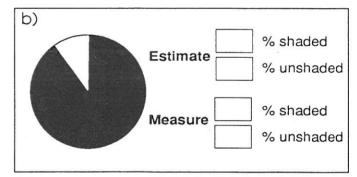
Use your percentage measurer to check these statements.

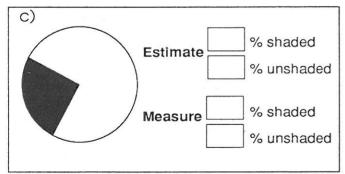


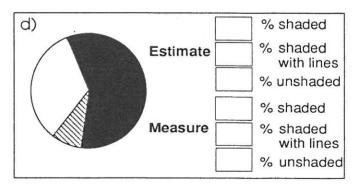


1. Estimate then measure the following percentages.

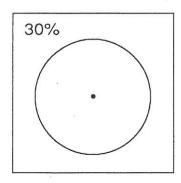


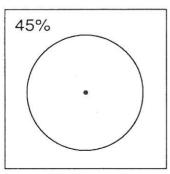


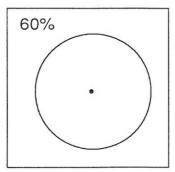


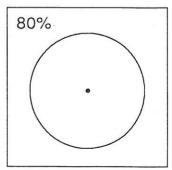


2. Use a ruler and pencil to shade in these percentages.









Percentages of Money

A percentage is a fraction with a denominator of a hundred.

50% means 50



which is the same as $\frac{1}{2}$



Complete this table.

Original				
amount	50%	25%	75%	100%
60p	30p	15p	45p	60p
80p	40p			
£16				
84p	5	21p	r.	
£1		2 2		
£128			* :	
£5		£1.25		
£1.80				£1.80
£6.20				
	20p			
		£1.40		

Calculate these percentages.



Use the 9

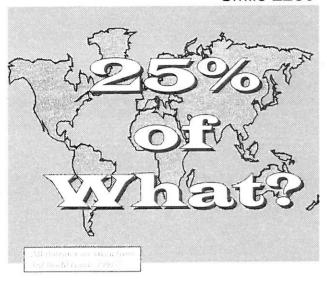
"50% is half marks"

	This envelope should contain 21 red cards and 21 blue cards.	
	Match the cards in pairs. 10% IS A 10% OF THE TENTH OF MARKS	4
	10% OF THE	
	TENTHARKS	
		2
1	1 GOT 3	
1	I GOT = 75%	
	1% IS A THE PENNY IN THE POUND	Y
	1% IN THE	
	PENIPOUND	

013 JO %09	1% of £7	10% of £1
50% of £16	10% of £2	25% of £100
100% of £15	100% of £6	10% of £4
50% of £4	50% of £20	1% of £1
10% of £6	25% of £1	100% of £4
25% of £4	1% of £3	75% of £1
75% of £4	25% of £2	75% of £2
75% of £4		

£8.00	3p	20p
7p	25p	£3.00
£15.00	1p	£4.00
£5.00	£1.00	£10.00
40p	£25.00	50p
£6.00	10p	£2.00
£1.50	60p	75p

Smile 2236



Any country's land use can be split into 4 categories.

Arable - growing food e.g. rice

Pasture - grass to feed animals

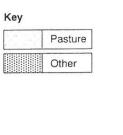
Forest - trees

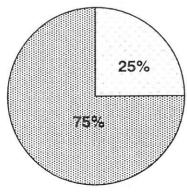
Other - desert, towns, mountains etc.

Norfolk Island is a small island off the east coast of Australia.



This pie chart shows land use in Norfolk Island.



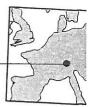


25% of the land is used for pasture.

Norfolk Island has a total area of 40km².

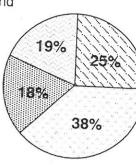
Liechtenstein is a country in central Europe.

Liechtenstein



This pie chart shows land use in Liechtenstein.





Liechtenstein has a total area of 160km²

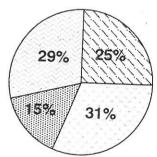
- What area of land is arable?
- Sierra Leone is a country in West Africa.

Sierra Leone



This pie chart shows land use in Sierra Leone.

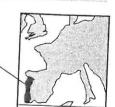




Sierra Leone has a total area of 71 740km².

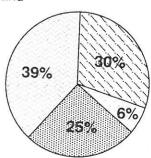
- What area of land is arable?
- Portugal is a country in southern Europe.

Portugal <



This pie chart shows land use in Portugal.

Arable
Pasture
Other
Forest

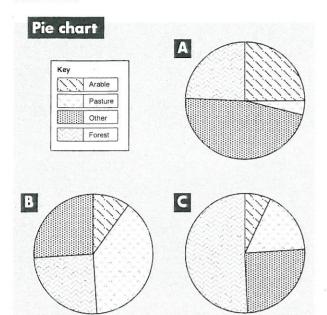


It has a total area of 92 390km².

What area of land is 'other'?



Match each pie chart with its country and statement.



Country

Switzerland

The total area of land is 41 290km2.

Arable 10% Pasture 39% Other 26% Forest 25%

Panama

The total area of land is 77 080km².

Arable 7%
Pasture 17%
Other 25%
Forest 51%

Togo

The total area of land is 56 790km².

Arable 25% Pasture 4% Other 47% Forest 24%

Statement

14 197.5km² of the land is used for arable.

10 322,5km² of the land is used for forest.

3 19 270km² of the land is used for other.



Explain why the following statement is not true.

"25% of Togo's and Sierra Leone's land is anable. This means that they can grow the same amount of food."

OZ 1922

SMILE

WARGE BAVERIMMANG



I AM THE MANAGING
DIRECTOR OF A SMALL FIRM.
I HAVE SIX EMPLOYEES.
I EARN £6,000 A YEAR.

I AM THE FOREMAN.
I EARN £4,000 A YEAR





WE ARE THE SKILLED
WORKERS AND WE EACH
EARN £ 3,000 A
YEAR

WE ARE THE UNSKILLED WORKERS. WE GET \$2,000 EACH.



AT THE UNION MEETING ON THE SHOP FLOOR:

2. NEXT DAY IN THE MANAGING DIRECTUR'S

OFFICE :

THE COST OF LIVING 15 TOO HIGH. WE MUST ASK FOR MORE MONEY



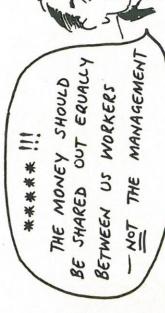
ONLY £2,100 TO SMRE THIS YEAR. WE WILL I'M AFRAID THERE IS HAVE TO SHARE THIS BETWEEN US.



BACK ON THE SHOP FLOOR: 8

AS FOREMAN, I SUGGEST THAT WE ALL HAVE A 10% INCREASE IN OUR SALARIES.

WHAT DO YOU SAY CADS



1 DON'T AGREE

YES! YES! BUT A FLAT-RATE

INCREASE

LET'S TAKE A VOTE 71 70

- TURN OVER -

WHAT DO YOU THINK ?

- I. WORK OUT HOW MUCH EACH
 PERSON WOULD GET IF THEIR
 SALARIES WERE INCREASED
 BY 10 %.
- 2. WORK OUT HOW MUCH EACH
 PERSON WOULD GET BY SHARING
 THE \$ 2100 EQUALLY BETWEEN
 THEM ALL.
- 3. WHICH WAY WOULD YOU VOTE

 IF YOU WERE (a) THE MANAGING DIRECTOR?

 (b) A SKILLED WORKER?

 WHY?
- 4. WHICH METHOD DO YOU THINK MOST PEOPLE VOTED FOR ?

The Latin word 'centum' means a hundred.

Some words which include 'cent' have a connection with a hundred.

Which of these words have a connection with a hundred?

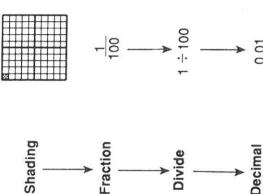
bicentenary centre centigrade

cent recently

centimetre

centipede century

If you are not sure look them up in a dictionary. Can you find any others?



Ö

0.2

÷100

1÷20

÷100

100

100

H

20 =

1 out of each 100

%

11

20 out of each 100

%

11

5 out of each 100

%

Latin word 'per' means 'each'.

Per cent means per hundred or each hundred.

The symbol for per cent is %.



%

100

2

%

5.
$$\frac{61}{100} = \%$$
6. $\frac{1}{2} = \frac{100}{100} = \frac{1}{100}$

5

%

က

7.
$$\frac{1}{4} = \frac{1}{100} = \frac{1}{100}$$

%

8.
$$\frac{100}{100} =$$
%

%

100

ø	м	s	N
г	Ħ		Н
ь.	ж	-	а

Shading						
	7	8)	6	10)	Ê	12)
				**	-	
%	10%	%	%	%06	%	%
	100	30	100	100	100	100
Decimal	0.1	Ö	0	0	0	0.8
Fraction	10	10	7 10	10	10	10
Shading						
		2)	3)	4)	5)	(9)

%	%	%	%	%	%	%
	100	100	100	100	100	100
Decimal	o.	o'	0.	Ö	9.0	0.
Fraction	- 2	-	ю 4	2	5	20
Shading						
,	(7	8)	(6	10)	=	12)