C

D

15

25

		al Skills: sca		and proportion	(L2)	skil	
1 Vai			_ Date			worksh	1 9
5	The owner of a garage plans to put in a new inspection pit for servicing vehicles. A scale drawing shows the length of the new inspection pit as 90 millimetres. The scale used in the drawing is 1 : 50.						
	What is the length of the actual inspection pit?						
	Α	1.8 r	netres				
	В	4.5 r	netres				
	C	9 r	netres				
	D	45 r	netres				
6	A grou	A group of managers from Britain are visiting Australia.					
		Before returning home they travel from Sydney to Brisbane.					
		stance on the ma	•	_			
	The sc	The scale on the map is 1: 2 000 000					
	What is the actual distance?						
	Α	18km					
	В	72km					
	С	180km					
	D	720km					
7	_	A game has a set of 180 counters of various colours.					
		The ratio of the colours is					
	red : g	reen : blue : yell	ow = 1 : 3 : 5 :	: 6			
	How m	nany blue counte	ers are there?				
	Α	5					
	В	12					
	C	36					
	D	60					
8	Full-tir	ne workers at a	factory get th	ree hours paid holida	ay for each 36	5-hour week they wo	ork.
	Part-ti	me workers get	paid holiday i	n the same proportion	n.	,	
	One pa	art-time worker	does 24 hours	s a week for 16 week	S.		
	How m	nuch paid holida	y does this pa	irt-time worker get a	fter 16 weeks	5?	
	Α	18 hours					
	В	24 hours					
	C	32 hours					
	D	72 hours					

Functional Skills: scales, ratio and proportion (L2) Date _____ 9 Wyre Forest council plans additional recycling facilities. A council worker marks the proposed site on a map with a scale of 1:25 000 On the map, the proposed site is 2 centimetres from the main road. What is the actual distance of the proposed site from the main road? Α 125 metres В 500 metres C 1 250 metres D 5 000 metres 10 A group of friends are cycling in Shropshire. One of the friends wants to visit a village that is 40 centimetres away on their map. The scale of the map is 1:50 000 How far away is the actual village? 2.0 km Α В 8.0 km C 12.5 km D 20.0 km

Last year a librarian spent £8 000 on items for loan. 11

He spent £1 200 on videos, £800 on CDs and the rest on books.

This year he has £10 000 to spend.

He spends on books, CDs and videos in the same proportion as last year.

How much does he spend on **books** this year?

Α £2 500

£5 500 В

C £7 500

D £8 000

Questions 12 and 13 are about a garden designer's work.

12 The garden designer is working on a rectangular garden that is 40 metres long and 24 metres wide. The designer makes a scale drawing of the garden.

He uses a sheet of paper 42 centimetres long and 30 centimetres wide.

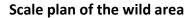
Which of these scales gives the largest diagram that will fit on the paper?

1:80 Α В 1:100 C 1:800 D 1:1000



Q13-16 need a ruler. For accurate results print with "page scaling" turned off.

13 The designer wants a wild area in the garden. She makes a scale plan of the wild area.





Scale 1:50

What is the length of the longest side of the actual wild area?

A 1.8m

C 18.0m

B 4.5m

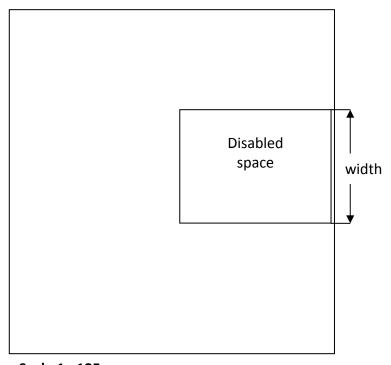
D 45.0m

The scale diagram shows one disabled parking space in part of a supermarket car-park.

The supermarket plans to add two more disabled parking spaces to this part of the car park.

The parking spaces will be placed next to the existing one with no spaces in between them.

What will be the **total** actual width of the three disabled parking spaces?



Scale 1:125

A 3.75mB 7.2m

C 9mD 11.25m

	al Skills: scales, r Date	atio and proportion (L2)	skill
Q13-16 need	a ruler. For accurate res	ults print with "page scaling" turned off	worksho
including a c	ler buys a three-piece su orner sofa. She makes a g of the sofa to see how he room.	n en	
		Scale 1:20	
What is the side of the s	actual length of the long ofa?	gest	
A B C	1.16m 2.32m 5.80m		

16 The owner of a guest house wants to create some more parking spaces for guests' cars. Here is a scale diagram of the property.

house parking area

11.60m

D

What are the dimensions of the actual area that is labelled 'grass' on the diagram?

A 1.8m x 1.1m

B 7.2m x 4.4m

C 9.1m x 5.6m

D 18m x 11m

Scale 1:200