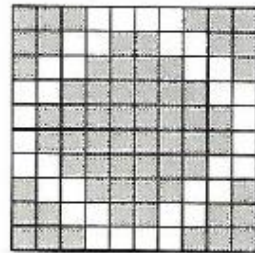
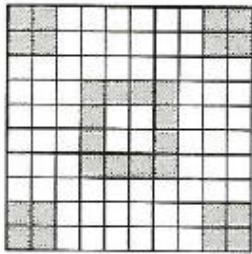


Each floor design has 100 tiles.



1 Complete.

shaded $\rightarrow \frac{28}{100}$ or 28 %

shaded $\rightarrow \frac{64}{100}$ or 64 %

not shaded $\rightarrow \frac{72}{100}$ or 72 %

not shaded $\rightarrow \frac{36}{100}$ or 36 %

2 (a) Complete: $5\% = \frac{5}{100}$ $20\% = \frac{20}{100}$ $30\% = \frac{30}{100}$ $40\% = \frac{40}{100}$

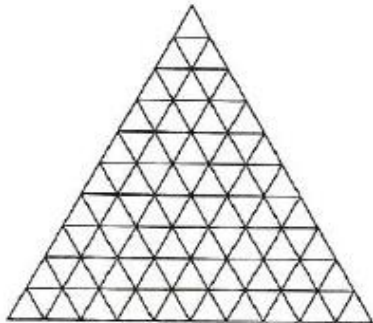
(b) Colour:

5% red, 20% blue, 30% green and 40% yellow

R	B	B	G	G	G	Y	Y	Y	Y
R	B	B	G	G	G	Y	Y	Y	Y
R	B	B	G	G	G	Y	Y	Y	Y
R	B	B	G	G	G	Y	Y	Y	Y
R	B	B	G	G	G	Y	Y	Y	Y
B	B	G	G	G	Y	Y	Y	Y	Y
B	B	G	G	G	Y	Y	Y	Y	Y
B	B	G	G	G	Y	Y	Y	Y	Y
B	B	G	G	G	Y	Y	Y	Y	Y
B	B	G	G	G	Y	Y	Y	Y	Y

Other ways of colouring are possible.

(c) What percentage is not coloured? 5 %



3 (a) Use red, blue and green to colour your own design.

(b) Complete.

_____ % is coloured red

_____ % is coloured blue

_____ % is coloured green

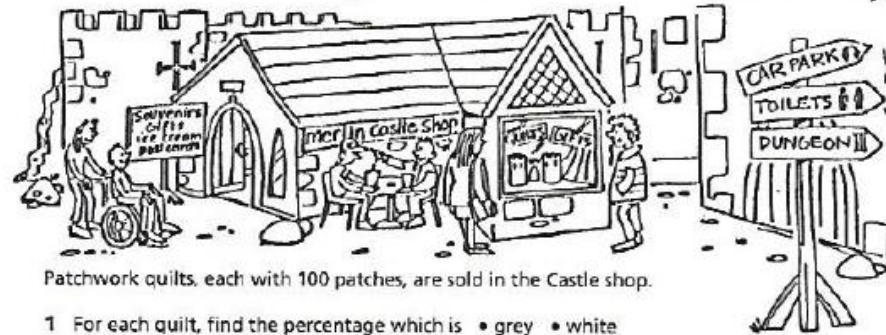
Answers depend on the children's choice of colouring.

Name: _____

Percentages: concept

Heinemann Mathematics 6
Workbook page 12

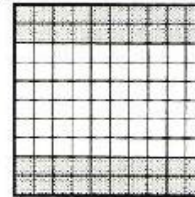
The Castle shop



Patchwork quilts, each with 100 patches, are sold in the Castle shop.

1 For each quilt, find the percentage which is • grey • white

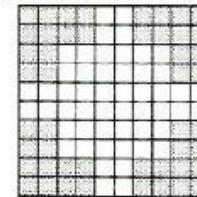
(a)



grey 40 %

white 60 %

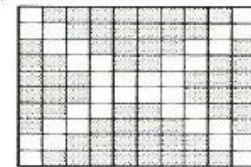
(b)



48 %

52 %

(c)



64 %

36 %

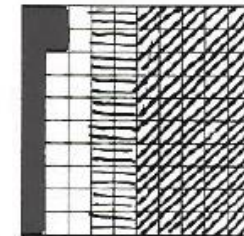
2 Complete.

$20\% = \frac{20}{100}$

$75\% = \frac{75}{100}$

3 (a) Colour this quilt • 12% blue • 20% red • 50% green.

(b) What percentage is not coloured? 18 %

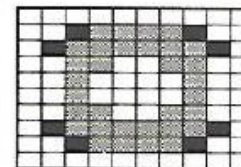


Other shadings are possible.

4 (a) What percentage of this quilt is • grey 32 % • black? 8 %

(b) Use red and green to colour the rest of the quilt.

(c) Complete. _____ % is coloured red
_____ % is coloured green.



Answers depend on children's colouring