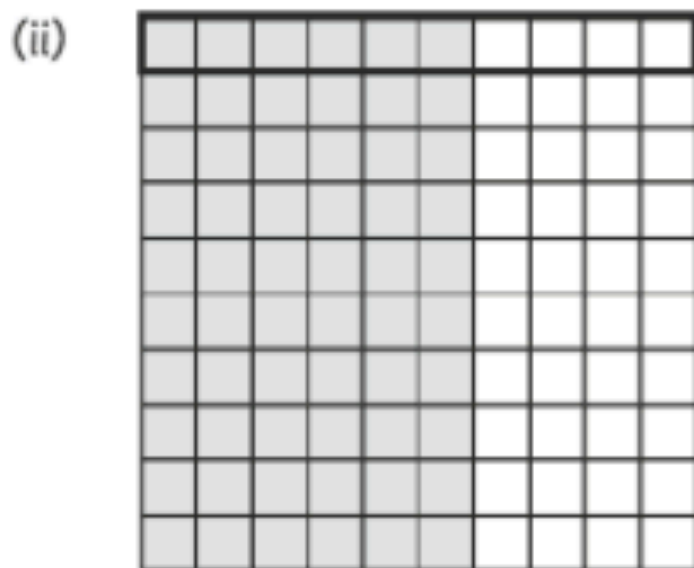## Finding Percentages

1 Fill in the blanks.

(a) (i)

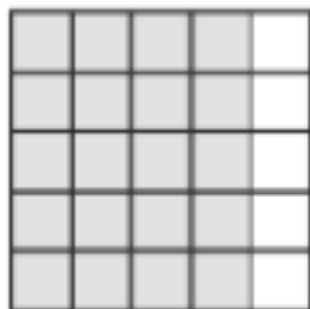$$\frac{6}{10}$$ of the squares are shaded.

(ii)

What percentage is shaded?

$$\frac{6}{10} = \frac{60}{100} = \boxed{60\%}$$

(b)   (i)

$\dfrac{\boxed{\textcolor{red}{20}}}{25}$ of the squares are shaded.

(ii)
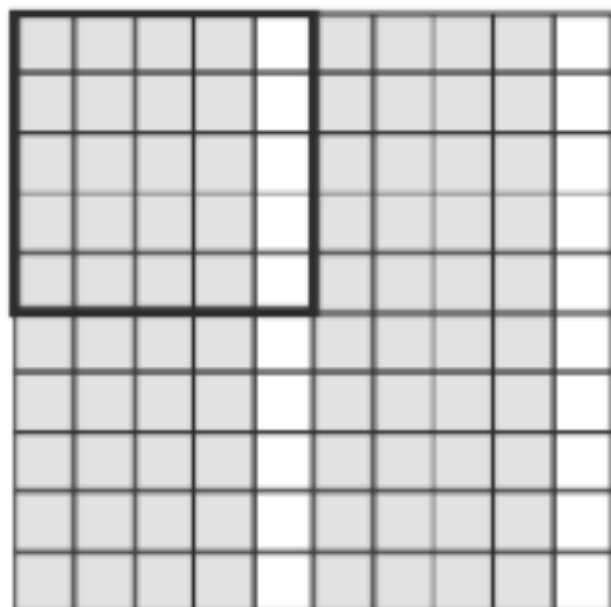
What percentage is shaded?

$\dfrac{\boxed{\textcolor{red}{20}}}{25} = \dfrac{\boxed{\textcolor{red}{80}}}{100} = \boxed{\textcolor{red}{80\%}}$

2 Write each of the following as a percentage.

(a) $\dfrac{2}{5} = \dfrac{\boxed{40}}{100} = \boxed{40\%}$

(b) $\dfrac{3}{4} = \dfrac{\boxed{75}}{100} = \boxed{75\%}$

(c) $\dfrac{13}{20} = \dfrac{\boxed{65}}{100} = \boxed{65\%}$

(d) $\dfrac{4}{25} = \dfrac{\boxed{16}}{100} = \boxed{16\%}$

(e) $\dfrac{17}{50} = \dfrac{\boxed{34}}{100} = \boxed{34\%}$

3 This table shows the scores 🌰 received in three different quizzes.

Quiz	Number of questions	🌰's score
1	25	18
2	10	7
3	50	38

In which quiz did 🌰 do best?

$\boxed{\text{Quiz 3}}$

Alex says,

0.84 is equivalent to $\frac{84}{10}$

Do you agree?
Explain why.

Mo says that $\frac{63}{100}$ is less than 0.65

Do you agree with Mo?
Explain your answer.

Alex says,

0.84 is equivalent to $\frac{84}{10}$

Do you agree?
Explain why.

Possible response:

Alex is wrong because 0.84 is 8 tenths and 4 hundredths and $\frac{84}{10}$ is 84 tenths.

Mo says that $\frac{63}{100}$ is less than 0.65

Do you agree with Mo?
Explain your answer.