1 $8300 = 100 \times 83$

Circle the number that is closest in value to $\sqrt{8300}$

[1 mark]

19

90

830

900

2 Work out $\sqrt{18} - \frac{28}{\sqrt{50}}$

Give your answer in the form $\frac{\sqrt{a}}{b}$ where a and b are integers.

[4 marks]	b

Answer _____

3	Show	that
3	Snow	ınaı

$$at \qquad \frac{\sqrt{150} - \sqrt{6}}{\sqrt{2} \times \sqrt{3}}$$

simplifies to an integer.

[3 marks

4 Simplify $\sqrt{5} a + \sqrt{5} a$ Circle your answer.

[1 mark]

5a $5a^2$

 $2\sqrt{5} a$

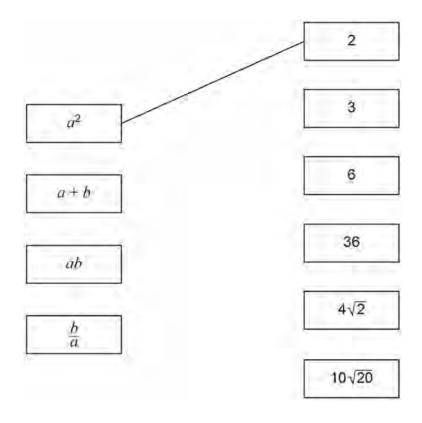
 $\sqrt{10} a$

5
$$a = \sqrt{2}$$
 and $b = \sqrt{18}$

Match each expression to its value.

One has been done for you.

[3 marks]



6 Work out $\sqrt{2\frac{13}{16}} - \frac{2}{\sqrt{5}}$

Give your answer in the form $\frac{a\sqrt{5}}{b}$ where a and b are integers.

[4 marks]	U

Answer _____