1 (b) Find the cube root of 5832

use calculator

18 (1)

.....

(1)

(Total for Question 1 is 1 marks)

2 (a) Use your calculator to work out the value of $\dfrac{67.8 + 4.6^2}{\sqrt{56}}$

Write down all the figures on your calculator display.

$= \dfrac{88.96}{7.4833..}$ (1)

$= 11.88778004$ (1)

11.88778004

(2)

(Total for Question 2 is 2 marks)

3 (c) Work out the value of $\dfrac{\sqrt{8.9}}{6.2 - 3.5}$

Give your answer as a decimal.
Write down all the figures on your calculator display.

$= \dfrac{\sqrt{8.9}}{2.7}$

$= 1.104921029$ (2)

1.104921029

(2)

(Total for Question 3 is 2 marks)

4 Work out the value of

$$\frac{15.2 \times 4.1}{8 - \sqrt{3.7}}$$

Write down all the figures on your calculator display.

62.32 / 6.076461594 (1)

= 10.25596871 (1)

10.25596871

(Total for Question 4 is 2 marks)

5 (a) Find the value of

· use calculator to solve

(i) $\sqrt{31.36}$

5.6 (1)

.....

(1)

(ii) 14^3

2744 (1)

.....

(1)

(Total for Question 5 is 2 marks)

6 Use your calculator to work out the value of

$$\frac{5.21 + 6.37}{9.8} + 8.3^2$$

Write down all the figures on your calculator display.

$= 1.181... + 8.3^2$ (1)

$= 70.07163265$ (1)

70.07163265

(Total for Question 6 is 2 marks)

7 Work out the value of $\sqrt{7.4}+\frac{5.1^2}{3}$

Write down all the figures on your calculator display.

$2.7202\ldots + \frac{26.01}{3}$ (1)

$= 2.7202\ldots + 8.67$

$= 11.3902941$ (1)

11.3902941

(Total for Question 7 is 2 marks)

8 (a) Use your calculator to work out the value of

$$\frac{7.45}{4.3^2 - 2.9}$$

Give your answer as a decimal.
Write down all the figures on your calculator display.

$\frac{7.45}{18.49 - 2.9} = \frac{7.45}{15.59}$ (1)

$= 0.47787042\,98$ (1)

0.47787042 98

.....

(2)

(b) Write your answer to part (a) correct to 3 decimal places.

0.478 (1)

.....

(1)

(Total for Question 8 is 3 marks)

9 (a) Work out the value of $\frac{2.5 + 3.6}{12.7} + \frac{8.2}{5 \times 3.6}$

Give your answer as a decimal.
Write down all the figures on your calculator display.

$\frac{6.1}{12.7} + \frac{8.2}{18}$ (1)

$= 0.935870516$ (1)

0.935870516

(2)

(Total for Question 9 is 2 marks)

10 (c) Work out the value of $\dfrac{\sqrt{9.3 + 2.8^3}}{3.2 \times 1.2}$

Write down all the figures on your calculator display.

1·45582007 (2)

.....

(2)

(Total for Question 10 is 2 marks)

11 (a) Work out the value of $\frac{9}{12.4} + \frac{5.3 \times 2.8}{9.64}$

Give your answer as a decimal.
Write down all the figures on your calculator display.

0.72580645... + 1.53941909... (1)

= 2.26522554 (1)

2.26522554

.....

(2)

(b) Write your answer to part (a) correct to 3 significant figures.

(1)

2.27

.....

(1)

(Total for Question 11 is 3 marks)