

Name:

Exam Style Questions

## Use of a Calculator



Equipment needed: Calculator, pen

### Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

[www.corbettmaths.com/contents](http://www.corbettmaths.com/contents)

Video 352



Answers and Video Solutions



1. Find the value of  $86^2$



.....  
(1)

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2. Find the value of  $\sqrt{2209}$



.....  
(1)

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3. Find the value of  $\sqrt[3]{614.125}$



.....  
(1)

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4. Find the value of  $3^{10}$



.....  
(1)

5. Calculate  $\sqrt{62}$  correct to 1 decimal place.



.....  
(2)

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6. Find the value of  $\sqrt{7.84} + 6.5^2$



Give your answer as a decimal.

.....  
(2)

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7. Find the value of each of the following.



Give each answer as a decimal.

(a)  $8.3^2$

.....  
(1)

(b)  $5.2(3.8 - 2.7)$

.....  
(1)

(c)  $\frac{2}{3.2}$

.....  
(1)

8. Calculate each of the following.  
Give each answer as a decimal.



(a)  $\frac{5}{0.4^2}$

.....  
(2)

(b)  $5.2^3 + \sqrt{5655.04}$

.....  
(2)

9.

Work out  $\frac{1.9 \times 121.5}{30 - 4.35}$



.....  
(2)

10. Use your calculator to work out the value of



$$\frac{2.12 \times 5.2}{9.21 - 2.8}$$

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

.....  
(2)

11. Use your calculator to work out  $\frac{7.2}{9.1 \times 2.8}$  as a decimal.



(a) Write down all the figures on your calculator display.

.....  
(1)

(b) Write your answer to 1 decimal place.

.....  
(1)

12. Work the value of  $\frac{13.2 + 8.9}{2.3^2}$  as a decimal.



(a) Write down all the figures on your calculator display.

.....  
(1)

(b) Write your answer to 1 decimal place.

.....  
(1)

13. Calculate  $\sqrt[3]{80.43^2}$



Give your answer to 3 decimal places.

.....  
(2)

14. Calculate the value of  $\frac{183 + 892}{10.4 \times 8.75}$  as a decimal



(a) Write down all the figures on your calculator display.

.....  
(1)

(b) Write your answer to 2 decimal places.

.....  
(1)

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15. Work out  $13 \div 0.3^2$  as a decimal



(a) Write down all the figures on your calculator display.

.....  
(1)

(b) Give your answer to the nearest whole number.

.....  
(1)

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16. Work out  $7 \times \sqrt{3}$



Give your answer as a decimal.

Write down all the figures from your calculator display.

.....  
(1)

17. Use your calculator to work out



(a)  $3^6$

.....  
(1)

(b) the reciprocal of 1.5

.....  
(1)

(c) the cube root of 6859

.....  
(1)

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18. Calculate the value of



$$\frac{13.2 - 1.29}{39.1 - 44.8}$$

Give your answer as a decimal.

(a) Write down all the figures from your calculator display.

.....  
(1)

(b) Give your answer to three significant figures.

.....  
(1)

19. Use your calculator to find



$$\sqrt{39.3^2 - 1.24^2}$$

(a) Give all the figures on your calculator display.

.....  
(1)

(b) Write your answer to 3 significant figures.

.....  
(1)

20. Calculate  $\sqrt[4]{100 - 2.4^3}$



.....  
(2)

21. Use your calculator to work out  $\frac{91^2 - 3.9}{\sqrt{162 - 4.5^3}}$



(a) Give all the figures on your calculator display.

.....  
(1)

(b) Write your answer to 3 significant figures.

.....  
(1)



22. (a) Use your calculator to work out  $\frac{398}{1.98^3} - \sqrt{102}$



Give your answer as a decimal.

Write all the figures on your calculator display.

.....  
(1)

(b) By rounding 398, 1.98 and 102 to 1 significant figure, check that your answer to (a) is sensible.

Your must show your workings.

(2)

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23. Calculate  $\sqrt{\frac{9080}{(4.7 - 0.866)^3}}$



Give your answer correct to 3 significant figures.

.....  
(3)

24. (a) Use your calculator to work out  $\frac{5.03 \times 8.991}{0.4987} - \sqrt[3]{998.6}$



Give your answer as a decimal.

Write all the figures on your calculator display.

.....  
(1)

(b) Use approximations to show that your answer to part (a) is sensible.  
You must show your workings.

(2)

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25. Using a calculator, work out



$$\sqrt{\frac{\sin 82^\circ}{\cos 82^\circ}}$$

Write your answer to 3 significant figures.

.....  
(2)

26. Use your calculator to work out  $\sqrt{\frac{\cos 81^\circ + \cos 7^\circ}{\sin 81^\circ - \sin 7^\circ}}$



(a) Give all the figures on your calculator display.

.....  
(2)

(b) Write your answer to 3 significant figures.

.....  
(1)

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27. Using a calculator, work out



$$\sqrt{\frac{9.44 \times \cos 124^\circ}{3.5^4 - 190}}$$

Write your answer to 3 significant figures.

.....  
(2)