

Name:

Exam Style Questions

Dividing Terms



Equipment needed: 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

Video 11



Answers and Video Solutions



1. Simplify $18x \div 3$



.....
(1)

2. Simplify $\frac{20m}{5}$



.....
(1)

3. Simplify $24y \div 8$



.....
(1)

4. Simplify $\frac{21a}{3}$



.....
(1)

5. Simplify $\frac{8c}{2c}$



.....
(1)

6. Simplify fully $12y^2 \div 2y$



.....
(2)

7. Simplify $\frac{13w + 23w}{6}$



.....
(1)

8. Match the equivalent expressions.



$$\frac{4x^2}{2x}$$

$$2x^2$$

$$\frac{6x}{3x}$$

$$2x$$

$$\frac{8x^3}{4x}$$

$$2$$

(2)

9. Simplify fully $\frac{8w}{12w}$



.....
(2)

10. Simplify $\frac{8y + 12}{2}$



.....
(1)

11. Simplify $18x^5 \div 6x^2$



.....
(2)

12. Simplify fully $14ac^2 \div 7c$



.....
(2)

13. Simplify fully $\frac{24a^2w^2}{3a}$



.....
(2)

14. Simplify fully $10a^3 \div 2a$



.....
(2)

15. Simplify $c^8 \div c^2$



.....
(1)

16. Simplify $\frac{12x^6}{4x^2}$



.....
(2)

17. Simplify fully $\frac{8c^6}{4c^3}$



.....
(2)

18. Simplify $\frac{a \times a \times a \times b}{a \times b \times b}$



.....
(2)

19. Simplify $\frac{x^5y^3}{xy^2}$



.....
(2)

20. Simplify $36x^8y^2 \div 9x^5y$



.....
(2)

21. Simplify fully

$$\frac{4c^5g^3}{4c^2g^2}$$



.....
(2)

22. Shown below is a rectangle, with width $2x$



The area of the rectangle is $8x^2$

Find the perimeter of the rectangle.

.....
(4)

23. Simplify $\frac{(x^8)^3}{x^4}$



.....
(2)

24. Simplify $\frac{5x^4}{x^{-2}}$



.....
(2)

25. Simplify $\frac{4(x + 3)}{(x + 3)^2}$



.....
(2)