

Name: _____

Exam Style Questions



Negative Indices

Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 175



1. Evaluate

$$4^{-2}$$

.....
(1)

2. Write as a fraction.

$$5^{-3}$$

.....
(1)

3. Work out

$$25^0$$

.....
(1)

4. Write as a fraction

$$7^{-2}$$

.....
(1)

5. Work out

$$6^{-1}$$

.....
(1)

6. Evaluate

$$2^4 \times 4^{-2}$$

.....
(2)

7. Work out

$$10^{-2}$$

Give your answer as a decimal.

.....
(2)

8. Simplify fully

$$7 \times 7^0 \times 7^{-1}$$

.....
(2)

9. Arrange in order, from smallest to largest

$$\frac{1}{50} \quad 5^{-2} \quad \frac{3}{10} \quad 2^{-3}$$

.....
(2)

10. w is greater than 1.

Write in order, from smallest to largest.

$$w^0$$

$$w^3$$

$$\frac{w^3}{w^4}$$

$$w^{-2}$$

.....
(2)

11. Write the numbers below in the form 2^n

(a) 4

.....
(1)

(b) 8

.....
(1)

(d) $\frac{1}{2}$

.....
(1)

(e) $\frac{1}{4}$

.....
(1)