

Name : _____

Exponents

T2L2S3

Evaluate using prime factorization.

1) $16 \div \frac{576}{36}$

2) $-\frac{324}{729c^6} \cdot 9c^7$

3) $\frac{s^{-12}}{t^{10}} \cdot \frac{25s^9}{t^{-10}}$

0
5

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

5) $-\frac{243u}{v^4} \div \frac{9u^{-2}}{v^{-2}}$

7) $121m^5n^{-5} \div \frac{11m^2}{n^2}$

8) $-4r^2 \cdot \frac{16r^{-3}}{8r^{-4}}$

Exponents

Evaluate using prime factorization.

1) $16 \div \frac{576}{36}$

1

2) $-\frac{324}{729c^6} \cdot 9c^7$

-4c

3) $\frac{s^{-12}}{t^{10}} \cdot \frac{25s^9}{t^{-10}}$

25s⁻³

5) $-\frac{243u}{v^4} \div \frac{9u^{-2}}{v^{-2}}$

-27u³v⁻⁶

7) $121m^5n^{-5} \div \frac{11m^2}{n^2}$

11m³n⁻³

8) $-4r^2 \cdot \frac{16r^{-3}}{8r^{-4}}$

-8r³

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com