



Math worksheet on 'Exponents - Power Law - Ten Base with Variable Power to Unknown Exponent Base with Known Power (Level 1)'. Part of a broader unit on 'Exponents - Negative, Fractional, and Power Law'

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1

Solve for the missing exponent (?)

$$10^4 = (10^?)^2$$

a

? = 5

b

? = 3

c

? = 7

d

? = 9

e

? = 6

f

? = 2

2

Solve for the missing exponent (?)

$$10^6 = (10^?)^3$$

a

? = 6

b

? = 5

c

? = 8

d

? = 1

e

? = 2

f

? = 11

3

Solve for the missing exponent (?)

$$10^{12} = (10^?)^3$$

a

? = 4

b

? = 10

c

? = 3

d

? = 7

e

? = 2

f

? = 6

4

Solve for the missing exponent (?)

$$10^8 = (10^?)^2$$

a

? = 10

b

? = 13

c

? = 11

d

? = 2

e

? = 3

f

? = 4

5

Solve for the missing exponent (?)

$$10^6 = (10^?)^2$$

a

? = 1

b

? = 3

c

? = 5

d

? = 11

e

? = 4

f

? = 6

6

Solve for the missing exponent (?)

$$10^9 = (10^?)^3$$

a

? = 5

b

? = 1

c

? = 3

d

? = 6

e

? = 4

f

? = 2