mobius

Math worksheet on *'Logarithms - Solve Exponent Equation (To Decimals) (Level 1)'*. Part of a broader unit on *'Logarithms - Intro'*

Learn online: app.mobius.academy/math/units/logarithms_intro/

1 Use a logarithm to solve for the missing exponent

$$6^x = 372$$

a	x = 1.3	b	x = 5.3
c	x = 2.3	d	x = 4.3
e	x = 3.3		

2 Use a logarithm to solve for the missing exponent

$$10^x = 355$$

a	x = 1.55	b	x = 4.55
c	x = 3.55	d	x = 0.55
e	x = 2.55		

3 Use a logarithm to solve for the missing exponent

$$8^x = 196$$

a	x = 2.54	b	x = 4.54
c	x = 3.54	d	x = 1.54
e	x = 0.54		

4 Use a logarithm to solve for the missing exponent

$$7^x = 204$$

a	x = 4.73	b	x = 0.73
c	x = 2.73	d	x = 1.73
e	x = 3.73		

5 Use a logarithm to solve for the missing exponent

$$2^x = 493$$

a	x = 6.95	b	x = 7.95
c	x = 8.95	d	x = 9.95
e	x = 10.95		

6 Use a logarithm to solve for the missing exponent

$$10^x = 395$$

a	x = 2.6	b	x = 0.6
c	x = 4.6	d	x = 1.6
e	x = 3.6		

7 Use a logarithm to solve for the missing exponent

$$8^x = 271$$

a	x = 0.69	b	x = 2.69
c	x = 3.69	d	x = 1.69
e	x = 4.69		