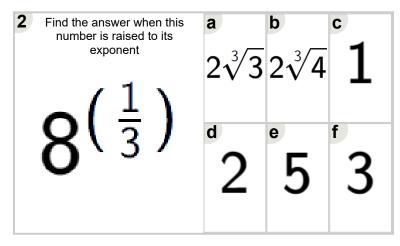# mobius

Math worksheet on *'Exponents - Fractional Exponents with Square Integer Base - Exponent to Answer (Level 2)'*. Part of a broader unit on *'Exponents - Fractional Bases and Exponents - Intro'*
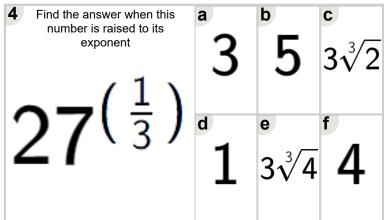
Learn online:
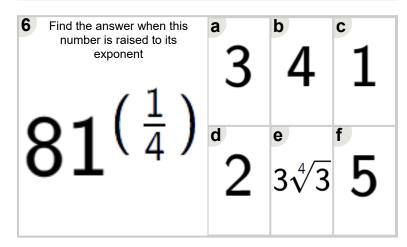app.mobius.academy/math/units/exponents_fractional_bases_and_exponents_intro/

1 Find the answer when this number is raised to its exponent

$$32^{\left(\frac{1}{5}\right)}$$

a	b	c
1	4	5

d	e	f
3	2	$2\sqrt[5]{2}$

---

2 Find the answer when this number is raised to its exponent

$$8^{\left(\frac{1}{3}\right)}$$

a	b	c
$2\sqrt[3]{3}$	$2\sqrt[3]{4}$	1

d	e	f
2	5	3

---

3 Find the answer when this number is raised to its exponent

$$9^{\left(\frac{1}{2}\right)}$$

a	b	c
2	$3\sqrt{4}$	$3\sqrt{3}$

d	e	f
1	5	3

---

4 Find the answer when this number is raised to its exponent

$$27^{\left(\frac{1}{3}\right)}$$

a	b	c
3	5	$3\sqrt[3]{2}$

d	e	f
1	$3\sqrt[3]{4}$	4

---

5 Find the answer when this number is raised to its exponent

$$64^{\left(\frac{1}{3}\right)}$$

a	b	c
$4\sqrt[3]{4}$	3	4

d	e	f
5	$4\sqrt[3]{2}$	1

---

6 Find the answer when this number is raised to its exponent

$$81^{\left(\frac{1}{4}\right)}$$

a	b	c
3	4	1

d	e	f
2	$3\sqrt[4]{3}$	5

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7 Find the answer when this number is raised to its exponent

$$25^{\left(\frac{1}{2}\right)}$$

a	b	c
$5\sqrt{3}$	2	3

d	e	f
5	1	$5\sqrt{2}$