

Fractional and Negative Indices *fluency*

ANSWERS

 Work out

1 7^0 1

2 2^{-3} $\frac{1}{8}$

3 5^{-2} $\frac{1}{25}$

4 10^{-2} $\frac{1}{100}$

5 4^{-3} $\frac{1}{64}$

6 $(\frac{1}{3})^{-1}$ 3

 Work out

7 $25^{1/2}$ 5

8 $64^{1/3}$ 4

9 $81^{1/4}$ 3

10 $1000^{1/3}$ 10

11 $32^{1/5}$ 2

12 $49^{1/2}$ 7

 Work out

13 $8^{2/3}$ 4

14 $27^{2/3}$ 9

15 $16^{3/4}$ 8

16 $4^{3/2}$ 8

17 $25^{3/2}$ 125

18 $32^{2/5}$ 4

 Work out

19 $9^{-1/2}$ $\frac{1}{3}$

20 $8^{-1/3}$ $\frac{1}{2}$

21 $16^{-3/4}$ $\frac{1}{8}$

22 $27^{-2/3}$ $\frac{1}{9}$

23 $100^{-3/2}$ $\frac{1}{1000}$

24 $4^{-5/2}$ $\frac{1}{32}$

 Work out

25 $(\frac{4}{9})^{1/2}$ $\frac{2}{3}$

26 $(\frac{8}{27})^{2/3}$ $\frac{4}{9}$

27 $(\frac{1}{16})^{-1/2}$ 4

28 $(\frac{25}{4})^{-1/2}$ $\frac{2}{5}$

29 $(\frac{27}{8})^{-2/3}$ $\frac{4}{9}$

30 $(\frac{1}{8})^{-2/3}$ 4