**Task card 1** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{n^{-9} \cdot n^{-2}}{n^{8}} = n^{__}$

**Task card 2** Laws of Integer Exponents (Mixed R...

Simplify: $(a^{-6})^{-2} \cdot a^{-3} = a^{__}$

**Task card 3** Laws of Integer Exponents (Mixed R...

Evaluate: $2^{-2}$

**Task card 4** Laws of Integer Exponents (Mixed R...

Evaluate: $\frac{4^3}{4^3}$

**Task card 5** Laws of Integer Exponents (Mixed R...

Simplify: $(5a^3)^2$

(write it as a number times a to a power)

**Task card 6** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{x^{-4}}{x^{4}} = x^{__}$

**Task card 7** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{n^{-9} \cdot n^{-8}}{n^{-9}} = n__$

**Task card 8** Laws of Integer Exponents (Mixed R...

Simplify: $(a^{-8})^3 \cdot a^2 = a__$

**Task card 9** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{m^6 \cdot m^{-5}}{m^{-4}} = m__$

**Task card 10** Laws of Integer Exponents (Mixed R...

Simplify: $(m^{-4})^{-2} \cdot m^{-8} = m__$

**Task card 11** Laws of Integer Exponents (Mixed R...

Evaluate: $(-2)^{-5}$

**Task card 12** Laws of Integer Exponents (Mixed R...

Evaluate: $\frac{5^4}{5^4}$

**Task card 13** Laws of Integer Exponents (Mixed R...

Simplify: $(2a^5)^3$

(write it as a number times a to a power)

**Task card 14** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{a^5}{a^{-6}} = a^{__}$

**Task card 15** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{m^{-8} \cdot m^{-1}}{m^9} = m^{__}$

**Task card 16** Laws of Integer Exponents (Mixed R...

Simplify: $(x^2)^{-2} \cdot x^{-5} = x^{__}$

**Task card 17** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{n^7 \cdot n^8}{n^3} = n^{__}$

**Task card 18** Laws of Integer Exponents (Mixed R...

Simplify: $(m^{-6})^2 \cdot m^7 = m^{__}$

**Task card 19** Laws of Integer Exponents (Mixed R...

Evaluate: $4^{-2}$

**Task card 20** Laws of Integer Exponents (Mixed R...

Evaluate: $\frac{6^3}{6^5}$

**Task card 21** Laws of Integer Exponents (Mixed R...

Simplify: $(5n^5)^3$

(write it as a number times n to a power)

**Task card 22** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{n^{-9}}{n^5} = n^{__}$

**Task card 23** Laws of Integer Exponents (Mixed R...

Simplify: $\frac{x^{-8} \cdot x^5}{x^{-4}} = x^{__}$

**Task card 24** Laws of Integer Exponents (Mixed R...

Simplify: $(n^{-7})^2 \cdot n^{-3} = n^{__}$

# Laws of Integer Exponents (Mixed Review) Task Cards

Recording sheet · Grade 8 · Simplify or evaluate. Fill in the missing exponent, or write the value as a whole number or fraction.

Scan to check your answers

Name: _____ Date: _____

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 |

# Laws of Integer Exponents (Mixed Review) Task Cards: Answer Key

Grade 8 · Hard

The answers online

| | | |
|---|---|---|
| **1.** -19 | **2.** 9 | **3.** $\frac{1}{4}$ |
| **4.** 1 | **5.** $25a^{6}$ | **6.** -8 |
| **7.** -8 | **8.** -22 | **9.** 5 |
| **10.** 0 | **11.** $\frac{1}{-32}$ | **12.** 1 |
| **13.** $8a^{15}$ | **14.** 11 | **15.** -18 |
| **16.** -9 | **17.** 12 | **18.** -5 |
| **19.** $\frac{1}{16}$ | **20.** $\frac{1}{36}$ | **21.** $125n^{15}$ |
| **22.** -14 | **23.** 1 | **24.** -17 |