

Name : \_\_\_\_\_

## Simplifying Expressions

ES1

Simplify each expression.

1)  $\frac{2p^2q}{3q^2} \div \frac{16q}{21q^2}$

2)  $\frac{y}{5} \times \frac{5}{t}$

3)  $\frac{z+1}{z-1} \times \frac{5z-}{z+}$

5)  $\frac{3}{2s-12} \div \frac{3s}{s}$

7)  $\frac{12v-12}{(v-1)^2} \times \frac{u}{6}$

8)  $\frac{1}{n-1} \div \frac{8}{8n-8}$

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$\frac{n^2}{2}$

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## Answer key

ES1

### Simplifying Expressions

Simplify each expression.

1)  $\frac{2p^2q}{3q^2} \div \frac{16q}{21q^2}$

$\frac{7p^2}{8}$

2)  $\frac{y}{5} \times \frac{5}{t}$

$\frac{y}{t}$

3)  $\frac{z+1}{z-1} \times \frac{5z-5}{z+1}$

5

5)  $\frac{3}{2s-12} \div \frac{3s}{s}$

$\frac{1}{2(s-5)}$

7)  $\frac{12v-12}{(v-1)^2} \times \frac{u}{6}$

$\frac{2u}{v-1}$

8)  $\frac{1}{n-1} \div \frac{8}{8n-8}$

1

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