CLOUD TUITION
COLLABORATIVE LEARNING

M5FDP3.1

Simplifying Fractions

Instructions: For each fraction below, find the highest common factor (HCF) for the numerator and denominator and divide.

1	$\frac{24}{30}$	$\div$	$=$	9	$\frac{54}{66}$	$\div$	$=$
2	$\frac{21}{28}$	$\div$	$=$	10	$\frac{35}{42}$	$\div$	$=$
3	$\frac{16}{36}$	$\div$	$=$	11	$\frac{8}{64}$	$\div$	$=$
4	$\frac{18}{45}$	$\div$	$=$	12	$\frac{24}{60}$	$\div$	$=$
5	$\frac{40}{48}$	$\div$	$=$	13	$\frac{21}{28}$	$\div$	$=$
6	$\frac{25}{60}$	$\div$	$=$	14	$\frac{63}{72}$	$\div$	$=$
7	$\frac{27}{36}$	$\div$	$=$	15	$\frac{10}{32}$	$\div$	$=$
8	$\frac{77}{99}$	$\div$	$=$	16	$\frac{12}{48}$	$\div$	$=$

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1	$\frac{14}{18}$	$\div$	$=$	11	$\frac{40}{96}$	$\div$	$=$
2	$\frac{24}{40}$	$\div$	$=$	12	$\frac{35}{84}$	$\div$	$=$
3	$\frac{18}{45}$	$\div$	$=$	13	$\frac{33}{121}$	$\div$	$=$
4	$\frac{56}{64}$	$\div$	$=$	14	$\frac{27}{72}$	$\div$	$=$
5	$\frac{36}{60}$	$\div$	$=$	15	$\frac{24}{64}$	$\div$	$=$
6	$\frac{63}{81}$	$\div$	$=$	16	$\frac{55}{132}$	$\div$	$=$
7	$\frac{27}{72}$	$\div$	$=$	17	$\frac{48}{84}$	$\div$	$=$
8	$\frac{24}{44}$	$\div$	$=$	18	$\frac{42}{72}$	$\div$	$=$
9	$\frac{42}{48}$	$\div$	$=$	19	$\frac{49}{77}$	$\div$	$=$
10	$\frac{48}{84}$	$\div$	$=$	20	$\frac{84}{108}$	$\div$	$=$

Simplifying Fractions

Instructions: For each fraction below, find the highest common factor (HCF) for the numerator and denominator and divide.

1	$\frac{14}{35}$	$\div$	$=$	9	$\frac{54}{66}$	$\div$	$=$
2	$\frac{32}{40}$	$\div$	$=$	10	$\frac{42}{77}$	$\div$	$=$
3	$\frac{24}{36}$	$\div$	$=$	11	$\frac{27}{45}$	$\div$	$=$
4	$\frac{36}{45}$	$\div$	$=$	12	$\frac{30}{42}$	$\div$	$=$
5	$\frac{14}{49}$	$\div$	$=$	13	$\frac{24}{28}$	$\div$	$=$
6	$\frac{45}{63}$	$\div$	$=$	14	$\frac{28}{49}$	$\div$	$=$
7	$\frac{24}{40}$	$\div$	$=$	15	$\frac{33}{110}$	$\div$	$=$
8	$\frac{18}{30}$	$\div$	$=$	16	$\frac{30}{40}$	$\div$	$=$

1	$\frac{21}{70}$	$\div$	$=$	11	$\frac{27}{90}$	$\div$	$=$
2	$\frac{48}{56}$	$\div$	$=$	12	$\frac{44}{121}$	$\div$	$=$
3	$\frac{54}{63}$	$\div$	$=$	13	$\frac{36}{132}$	$\div$	$=$
4	$\frac{99}{121}$	$\div$	$=$	14	$\frac{42}{72}$	$\div$	$=$
5	$\frac{96}{108}$	$\div$	$=$	15	$\frac{54}{63}$	$\div$	$=$
6	$\frac{63}{72}$	$\div$	$=$	16	$\frac{99}{121}$	$\div$	$=$
7	$\frac{63}{99}$	$\div$	$=$	17	$\frac{56}{96}$	$\div$	$=$
8	$\frac{32}{72}$	$\div$	$=$	18	$\frac{121}{132}$	$\div$	$=$
9	$\frac{49}{84}$	$\div$	$=$	19	$\frac{108}{120}$	$\div$	$=$
10	$\frac{36}{120}$	$\div$	$=$	20	$\frac{132}{144}$	$\div$	$=$