Math Antics Worksheets

Name: _____

Date: _____

Simplifying Fractions

Instructions: Simplify these fractions using the procedure you learned in the video. Cancel common factors and remultiply any remaining factors to get your final answer.

1 $\dfrac{12}{14} = \dfrac{\cancel{2} \times 2 \times 3}{\cancel{2} \times 7} = \dfrac{6}{7}$

2 $\dfrac{5}{10} = \underline{\hspace{2cm}} = $

3 $\dfrac{6}{9} = \underline{\hspace{2cm}} = $

4 $\dfrac{9}{12} = \underline{\hspace{2cm}} = $

5 $\dfrac{7}{21} = \underline{\hspace{2cm}} = $

6 $\dfrac{14}{16} = \underline{\hspace{2cm}} = $

7 $\dfrac{7}{14} = \underline{\hspace{2cm}} = $

8 $\dfrac{15}{40} = \underline{\hspace{2cm}} = $

9 $\dfrac{5}{20} = \underline{\hspace{2cm}} = $

10 $\dfrac{22}{44} = \underline{\hspace{2cm}} = $

11 $\dfrac{8}{12} = \underline{\hspace{2cm}} = $

12 $\dfrac{20}{24} = \underline{\hspace{2cm}} = $

13 $\dfrac{10}{15} = \underline{\hspace{2cm}} = $

14 $\dfrac{25}{30} = \underline{\hspace{2cm}} = $

15 $\dfrac{18}{24} = \underline{\hspace{2cm}} = $

16 $\dfrac{16}{36} = \underline{\hspace{2cm}} = $

17 $\dfrac{10}{25} = \underline{\hspace{2cm}} = $

18 $\dfrac{35}{50} = \underline{\hspace{2cm}} = $

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Simplifying Fractions - Set 2

Instructions: Simplify these fractions using the procedure you learned in the video. Cancel any common factors and remultiply remaining factors to get your final answer.

1 $\dfrac{15}{20} = \dfrac{3 \times 5}{2 \times 2 \times 5} = \dfrac{3}{4}$

2 $\dfrac{16}{30} = $ _____ $=$

3 $\dfrac{12}{18} = $ _____ $=$

4 $\dfrac{15}{45} = $ _____ $=$

5 $\dfrac{20}{25} = $ _____ $=$

6 $\dfrac{27}{39} = $ _____ $=$

7 $\dfrac{14}{21} = $ _____ $=$

8 $\dfrac{48}{72} = $ _____ $=$

9 $\dfrac{20}{32} = $ _____ $=$

10 $\dfrac{32}{40} = $ _____ $=$

11 $\dfrac{18}{36} = $ _____ $=$

12 $\dfrac{45}{125} = $ _____ $=$

13 $\dfrac{42}{63} = $ _____ $=$

14 $\dfrac{63}{105} = $ _____ $=$

15 $\dfrac{60}{75} = $ _____ $=$

16 $\dfrac{42}{140} = $ _____ $=$

17 $\dfrac{36}{84} = $ _____ $=$

18 $\dfrac{33}{121} = $ _____ $=$

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Simpler Simplifying

SIM 3

Instructions: Simplify these fractions using the procedure you learned in the video. Look for **composite** common factors like 4, 6, 8 or 10 that will save you some steps.

1 $\dfrac{10}{20} = \dfrac{1 \times 10}{2 \times 10} = \dfrac{1}{2}$

2 $\dfrac{12}{16} = \underline{\quad\quad\quad} =$

3 $\dfrac{6}{12} = \underline{\quad\quad\quad} =$

4 $\dfrac{10}{60} = \underline{\quad\quad\quad} =$

5 $\dfrac{30}{40} = \underline{\quad\quad\quad} =$

6 $\dfrac{24}{40} = \underline{\quad\quad\quad} =$

7 $\dfrac{16}{20} = \underline{\quad\quad\quad} =$

8 $\dfrac{32}{56} = \underline{\quad\quad\quad} =$

9 $\dfrac{8}{12} = \underline{\quad\quad\quad} =$

10 $\dfrac{30}{80} = \underline{\quad\quad\quad} =$

11 $\dfrac{40}{64} = \underline{\quad\quad\quad} =$

12 $\dfrac{18}{30} = \underline{\quad\quad\quad} =$

13 $\dfrac{60}{70} = \underline{\quad\quad\quad} =$

14 $\dfrac{24}{36} = \underline{\quad\quad\quad} =$

15 $\dfrac{30}{36} = \underline{\quad\quad\quad} =$

16 $\dfrac{40}{60} = \underline{\quad\quad\quad} =$

17 $\dfrac{18}{24} = \underline{\quad\quad\quad} =$

18 $\dfrac{64}{72} = \underline{\quad\quad\quad} =$
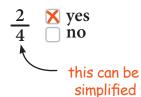
Math Antics Worksheets

Could it be Simpler?

Instructions: Tell whether the fraction could be simplified. Check '**yes**' if you think it could be simplified. Check '**no**' if you think the fraction is already as simple as it can be.

Examples

$\dfrac{1}{2}$ ☐ yes ☒ no

↑ already as simple as it can be

$\dfrac{2}{4}$ ☒ yes ☐ no

↰ this can be simplified

1 $\dfrac{2}{3}$ ☐ yes ☐ no	2 $\dfrac{8}{20}$ ☐ yes ☐ no	3 $\dfrac{5}{10}$ ☐ yes ☐ no
4 $\dfrac{3}{4}$ ☐ yes ☐ no	5 $\dfrac{5}{25}$ ☐ yes ☐ no	6 $\dfrac{7}{9}$ ☐ yes ☐ no
7 $\dfrac{14}{44}$ ☐ yes ☐ no	8 $\dfrac{15}{21}$ ☐ yes ☐ no	9 $\dfrac{1}{16}$ ☐ yes ☐ no
10 $\dfrac{6}{7}$ ☐ yes ☐ no	11 $\dfrac{33}{44}$ ☐ yes ☐ no	12 $\dfrac{6}{15}$ ☐ yes ☐ no
13 $\dfrac{9}{27}$ ☐ yes ☐ no	14 $\dfrac{11}{13}$ ☐ yes ☐ no	15 $\dfrac{3}{8}$ ☐ yes ☐ no
16 $\dfrac{4}{18}$ ☐ yes ☐ no	17 $\dfrac{9}{16}$ ☐ yes ☐ no	18 $\dfrac{8}{64}$ ☐ yes ☐ no
19 $\dfrac{7}{15}$ ☐ yes ☐ no	20 $\dfrac{23}{55}$ ☐ yes ☐ no	21 $\dfrac{3}{30}$ ☐ yes ☐ no
22 $\dfrac{12}{44}$ ☐ yes ☐ no	23 $\dfrac{9}{81}$ ☐ yes ☐ no	24 $\dfrac{13}{26}$ ☐ yes ☐ no