

Silver Challenges

Challenge 1: Ordering fractions

Name: _____

5 minutes

Put each set of fractions or mixed numbers in the correct order.

$\frac{3}{4}$ $\frac{5}{6}$ $\frac{1}{2}$ $\frac{2}{3}$	
$\frac{9}{10}$ $\frac{7}{8}$ $\frac{4}{6}$ $\frac{2}{3}$	
$\frac{3}{8}$ $\frac{1}{4}$ $\frac{8}{16}$ $\frac{4}{5}$	
$\frac{3}{5}$ $\frac{7}{10}$ $\frac{13}{20}$ $\frac{63}{100}$	
$5\frac{7}{9}$ $6\frac{1}{3}$ $5\frac{2}{3}$ $5\frac{5}{9}$	
$4\frac{1}{9}$ $4\frac{2}{3}$ $6\frac{3}{4}$ $6\frac{5}{9}$	
$1\frac{7}{8}$ $1\frac{1}{4}$ $1\frac{3}{4}$ $1\frac{5}{6}$	
$3\frac{3}{9}$ $3\frac{1}{5}$ $3\frac{2}{3}$ $3\frac{7}{8}$	
$1\frac{1}{25}$ $1\frac{1}{5}$ $1\frac{1}{4}$ $1\frac{25}{75}$	
$\frac{3}{7}$ $\frac{6}{10}$ $\frac{15}{20}$ $\frac{6}{9}$	
$\frac{3}{5}$ $\frac{10}{10}$ $\frac{19}{20}$ $\frac{75}{100}$	
$2\frac{3}{4}$ $2\frac{1}{6}$ $1\frac{5}{7}$ $1\frac{2}{8}$	
$3\frac{1}{15}$ $2\frac{4}{5}$ $2\frac{1}{3}$ $3\frac{1}{20}$	
$2\frac{1}{4}$ $2\frac{2}{3}$ $2\frac{3}{10}$ $2\frac{5}{50}$	
$\frac{1}{4}$ $\frac{5}{25}$ $\frac{17}{20}$ $\frac{7}{10}$	
$\frac{15}{45}$ $\frac{10}{20}$ $\frac{30}{120}$ $\frac{75}{100}$	
$\frac{1}{5}$ $\frac{7}{6}$ $\frac{3}{20}$ $\frac{3}{4}$	
$\frac{8}{5}$ $\frac{4}{2}$ $\frac{5}{3}$ $\frac{6}{5}$	
$\frac{6}{5}$ $\frac{7}{5}$ $\frac{9}{5}$ $\frac{2}{5}$	
$\frac{5}{5}$ $\frac{5}{3}$ $\frac{5}{4}$ $\frac{5}{1}$	

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Challenge 2: Fractions of amounts

Name: _____

5 minutes

$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 60
$\frac{3}{4}$ of 20	$\frac{3}{4}$ of 60
$\frac{5}{8}$ of 32	$\frac{5}{8}$ of 64
$\frac{2}{3}$ of 18	$\frac{2}{3}$ of 99
$\frac{4}{5}$ of 40	$\frac{4}{5}$ of 60
$\frac{5}{6}$ of 36	$\frac{5}{6}$ of 36
$\frac{7}{10}$ of 40	$\frac{3}{10}$ of 50
$\frac{7}{8}$ of 56	$\frac{7}{8}$ of 80
$\frac{2}{5}$ of 25	$\frac{2}{5}$ of 50
$\frac{3}{10}$ of 80	$\frac{9}{10}$ of 60
$\frac{2}{3}$ of 24	$\frac{2}{3}$ of 75
$\frac{3}{7}$ of 49	$\frac{3}{7}$ of 63
$\frac{1}{6}$ of 42	$\frac{1}{6}$ of 54
$\frac{5}{7}$ of 35	$\frac{5}{7}$ of 49
$\frac{4}{9}$ of 36	$\frac{4}{9}$ of 99
$\frac{1}{4}$ of 200	$\frac{1}{4}$ of 1200
$\frac{3}{4}$ of 48	$\frac{3}{4}$ of 360
$\frac{2}{3}$ of 36	$\frac{2}{3}$ of 4500
$\frac{2}{5}$ of 60	$\frac{2}{5}$ of 55
$\frac{4}{10}$ of 90	$\frac{4}{10}$ of 8000

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Challenge 3: Mixed Challenges

Name: _____

5 minutes

$\frac{6}{7}$ of 49 = _____	$\frac{1}{4}$ of 280 = _____
$55 \times 20 =$ _____	$12 \times 4000 =$ _____
$7^2 - 4^2 =$ _____	$8^2 - 3^2 =$ _____
$\frac{6}{7}$ of 350 = _____	$11^2 + 6^2 =$ _____
$92 \times 10 =$ _____	$70 \times 30 =$ _____
$\frac{1}{4}$ of 240 = _____	$\frac{7}{9}$ of 450 = _____
$8^2 + 9^2 =$ _____	$50 \times 30 =$ _____
$\frac{7}{8}$ of 320 = _____	$87 \times 200 =$ _____
$68 \times 20 =$ _____	$50 \times 60 =$ _____
$5^2 - 1^2 =$ _____	$8^2 + 3^2 =$ _____
$\frac{3}{10}$ of 800 = _____	$\frac{3}{8}$ of 1600 = _____
$\frac{1}{6}$ of 360 = _____	$7^2 - 5^2 =$ _____
$36 \times 10.5 =$ _____	$8^2 - 4^2 =$ _____
$\frac{3}{6}$ of 420 = _____	$15 \times 2000 =$ _____
$60 \times 60 =$ _____	$\frac{4}{9}$ of 360 = _____
$12 \times 4000 =$ _____	$9^2 - 5^2 =$ _____
$10.5 \times 1000 =$ _____	$\frac{2}{3}$ of 180 = _____
$25 \times 1000 =$ _____	$8^2 + 2^2 =$ _____
$\frac{2}{3}$ of 2400 = _____	$40 \times 35 =$ _____
$\frac{1}{5}$ of 550 = _____	$\frac{9}{10}$ of 400 = _____