

Fractions Checkup

Show your workings and leave in simplest form where appropriate

Equal Fractions

1. Copy and complete:

a) $\frac{1}{8} = \frac{\quad}{16}$

b) $\frac{9}{\quad} = \frac{27}{39}$

c) $\frac{24}{36} = \frac{\quad}{3}$

2. Simplify these:

a) $\frac{4}{8} =$

b) $\frac{18}{24} =$

c) $\frac{30}{45} =$

Top Heavy Fractions & Mixed Numbers

3. Write as mixed numbers:

a) $\frac{7}{5} =$

b) $\frac{18}{7} =$

c) $\frac{32}{24} =$

4. Write as top heavy fractions:

a) $1\frac{2}{5} =$

b) $3\frac{1}{4} =$

c) $9\frac{6}{9} =$

Calculations

5. Multiply:

a) $\frac{3}{7} \times \frac{1}{2} =$

b) $\frac{1}{9} \times \frac{3}{7} =$

c) $\frac{12}{13} \times \frac{4}{5} =$

6. Divide:

a) $\frac{1}{4} \div \frac{1}{3} =$

b) $\frac{5}{12} \div \frac{3}{5} =$

c) $\frac{3}{7} \div \frac{9}{14} =$

7. Add:

a) $\frac{1}{5} + \frac{3}{10} =$

b) $\frac{3}{10} + \frac{3}{25} =$

c) $\frac{2}{3} + \frac{1}{12} =$

d) $\frac{1}{4} + \frac{3}{8} + \frac{5}{16} =$

8. Subtract:

a) $\frac{5}{7} - \frac{1}{14} =$

b) $\frac{5}{6} - \frac{2}{3} =$

c) $\frac{2}{3} - \frac{1}{4} =$

d) $\frac{9}{10} - \frac{11}{15} =$

9. Various mixed:

a) $7\frac{1}{2} \times 1\frac{1}{3} =$

b) $3\frac{3}{5} \div 2\frac{1}{4} =$

c) $2\frac{9}{10} + 1\frac{2}{5} =$

d) $3\frac{1}{4} - 1\frac{5}{6} =$

Fractions Checkup

Show your workings and leave in simplest form where appropriate

Equal Fractions

1. Copy and complete:

a) $\frac{1}{8} = \frac{2}{16}$

b) $\frac{9}{13} = \frac{27}{39}$

c) $\frac{24}{36} = \frac{2}{3}$

2. Simplify these:

a) $\frac{4}{8} = \frac{1}{2}$

b) $\frac{18}{24} = \frac{3}{4}$

c) $\frac{30}{45} = \frac{2}{3}$

Top Heavy Fractions & Mixed Numbers

3. Write as mixed numbers:

a) $\frac{7}{5} = 1\frac{2}{5}$

b) $\frac{18}{7} = 2\frac{4}{7}$

c) $\frac{32}{24} = 1\frac{1}{3}$

4. Write as top heavy fractions:

a) $1\frac{2}{5} = \frac{7}{5}$

b) $3\frac{1}{4} = \frac{13}{4}$

c) $9\frac{6}{9} = \frac{29}{3}$

Calculations

5. Multiply:

a) $\frac{3}{7} \times \frac{1}{2} = \frac{3}{14}$

b) $\frac{1}{9} \times \frac{3}{7} = \frac{1}{21}$

c) $\frac{12}{13} \times \frac{4}{5} = \frac{48}{65}$

6. Divide:

a) $\frac{1}{4} \div \frac{1}{3} = \frac{3}{4}$

b) $\frac{5}{12} \div \frac{3}{5} = \frac{25}{36}$

c) $\frac{3}{7} \div \frac{9}{14} = \frac{2}{3}$

7. Add:

a) $\frac{1}{5} + \frac{3}{10} = \frac{1}{2}$

b) $\frac{3}{10} + \frac{3}{25} = \frac{21}{50}$

c) $\frac{2}{3} + \frac{1}{12} = \frac{3}{4}$

d) $\frac{1}{4} + \frac{3}{8} + \frac{5}{16} = \frac{15}{16}$

8. Subtract:

a) $\frac{5}{7} - \frac{1}{14} = \frac{9}{14}$

b) $\frac{5}{6} - \frac{2}{3} = \frac{1}{6}$

c) $\frac{2}{3} - \frac{1}{4} = \frac{5}{12}$

d) $\frac{9}{10} - \frac{11}{15} = \frac{1}{6}$

9. Various mixed:

a) $7\frac{1}{2} \times 1\frac{1}{3} = 10$

b) $3\frac{3}{5} \div 2\frac{1}{4} = 1\frac{3}{5}$

c) $2\frac{9}{10} + 1\frac{2}{5} = 4\frac{3}{10}$

$3\frac{1}{4} - 1\frac{5}{6} = 1\frac{5}{12}$

