



נושא : תרגול הרחבה וצמצום שברים פשוטים

א. הרחיבי את השברים הבאים פי 2 :

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

2) $\frac{2}{3} =$

3) $\frac{3}{5} =$

4) $\frac{5}{8} =$

5) $\frac{6}{7} =$

6) $\frac{1}{2} =$

7) $\frac{3}{10} =$

8) $\frac{5}{13} =$

ב. צמצמי את השברים הבאים פי 3 :

1) $\frac{3}{9} =$

2) $\frac{6}{15} =$

3) $\frac{12}{18} =$

4) $\frac{15}{42} =$

5) $\frac{21}{29} =$

6) $\frac{3}{36} =$

7) $\frac{24}{93} =$

8) $\frac{33}{48} =$



ג. השלם/השלימי:

$$1) \frac{1}{2} = \frac{\square}{8} = \frac{\square}{24}$$

$$2) \frac{2}{3} = \frac{\square}{9} = \frac{12}{\square}$$

$$3) \frac{3}{4} = \frac{\square}{16} = \frac{\square}{8}$$

$$4) \frac{5}{10} = \frac{\square}{40} = \frac{\square}{80}$$

$$5) \frac{3}{7} = \frac{12}{\square} = \frac{\square}{56}$$

$$6) \frac{1}{2} = \frac{6}{\square} = \frac{30}{\square}$$

$$7) \frac{3}{4} = \frac{18}{\square} = \frac{72}{\square}$$

$$8) \frac{9}{12} = \frac{\square}{4} = \frac{30}{\square}$$

$$9) \frac{4}{5} = \frac{\square}{40} = \frac{96}{\square}$$

$$10) \frac{2}{13} = \frac{\square}{65} = \frac{20}{\square}$$



4. סמך/סמני < > = :

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

$$2) \frac{6}{9} \square \frac{3}{9} =$$

$$3) \frac{1}{7} \square \frac{1}{8} =$$

$$4) \frac{2}{3} \square \frac{10}{15} =$$

$$5) \frac{8}{7} \square 1 =$$

$$6) \frac{9}{11} \square \frac{13}{25} =$$

$$7) \frac{8}{16} \square \frac{7}{14} =$$

$$8) \frac{5}{11} \square \frac{8}{15} =$$

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

$$10) \frac{17}{34} \square \frac{19}{33} =$$

$$11) \frac{4}{5} \square \frac{3}{4} =$$

$$12) \frac{8}{12} \square \frac{22}{28} =$$

$$13) \frac{1}{3} \square \frac{5}{16} =$$

$$14) \frac{2}{9} \square \frac{7}{18} =$$

$$15) \frac{56}{114} \square \frac{51}{101} =$$



תשובות:

א.

1) $\frac{2}{8}$

2) $\frac{4}{6}$

3) $\frac{6}{10}$

4) $\frac{10}{16}$

5) $\frac{12}{14}$

6) $\frac{2}{4}$

7) $\frac{6}{20}$

8) $\frac{10}{26}$

ב.

1) $\frac{1}{3}$

2) $\frac{2}{5}$

3) $\frac{4}{6}$

4) $\frac{5}{14}$

5) $\frac{7}{9}$

6) $\frac{1}{12}$

7) $\frac{8}{31}$

8) $\frac{11}{16}$

$$1) \frac{1}{2} = \frac{\boxed{4}}{8} = \frac{\boxed{12}}{24}$$

$$2) \frac{2}{3} = \frac{\boxed{6}}{9} = \frac{12}{\boxed{18}}$$

$$3) \frac{3}{4} = \frac{\boxed{12}}{16} = \frac{\boxed{6}}{8}$$

$$4) \frac{5}{10} = \frac{\boxed{20}}{40} = \frac{\boxed{40}}{80}$$

$$5) \frac{3}{7} = \frac{12}{\boxed{28}} = \frac{\boxed{24}}{56}$$

$$6) \frac{1}{2} = \frac{6}{\boxed{12}} = \frac{30}{\boxed{60}}$$

$$7) \frac{3}{4} = \frac{18}{\boxed{24}} = \frac{72}{\boxed{96}}$$

$$8) \frac{9}{12} = \frac{\boxed{3}}{4} = \frac{30}{\boxed{40}}$$

$$9) \frac{4}{5} = \frac{\boxed{32}}{40} = \frac{96}{\boxed{120}}$$

$$10) \frac{2}{13} = \frac{\boxed{10}}{65} = \frac{20}{\boxed{130}}$$

1) $\frac{3}{4} \boxed{>} \frac{1}{4} =$

2) $\frac{6}{9} \boxed{>} \frac{3}{9} =$

3) $\frac{1}{7} \boxed{>} \frac{1}{8} =$

4) $\frac{2}{3} \boxed{=} \frac{10}{15} =$

5) $\frac{8}{7} \boxed{>} 1 =$

6) $\frac{9}{11} \boxed{>} \frac{13}{25} =$

7) $\frac{8}{16} \boxed{=} \frac{9}{14} =$

8) $\frac{5}{11} \boxed{<} \frac{8}{15} =$

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

10) $\frac{17}{34} \boxed{<} \frac{19}{33} =$

11) $\frac{4}{5} \boxed{>} \frac{3}{4} =$

12) $\frac{8}{12} \boxed{<} \frac{22}{28} =$

13) $\frac{1}{3} \boxed{>} \frac{5}{16} =$

14) $\frac{2}{9} \boxed{<} \frac{7}{18} =$

15) $\frac{56}{114} \boxed{<} \frac{51}{101} =$