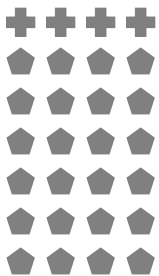


What is the ratio of
◆ to ▼ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(◆ + ▼) to ▼ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

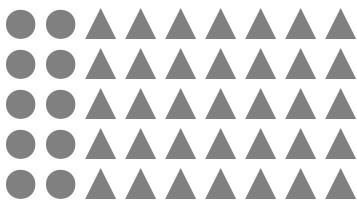


What is the ratio of
⬠ to + ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(⬠ + +) to + ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
▲ to ● ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(▲ + ●) to ● ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
✖ to ★ ?

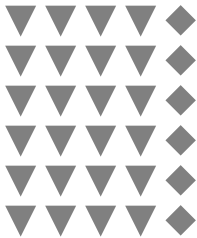
$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(✖ + ★) to ★ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



Answer Key

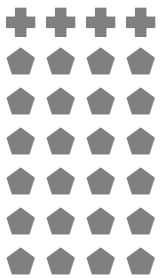


What is the ratio of
♦ to ▼ ?

$$\underline{6} : \underline{24} = \underline{1} : \underline{4}$$

What is the ratio of
(♦ + ▼) to ▼ ?

$$\underline{30} : \underline{24} = \underline{5} : \underline{4}$$

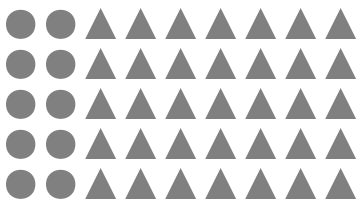


What is the ratio of
⬠ to + ?

$$\underline{24} : \underline{4} = \underline{6} : \underline{1}$$

What is the ratio of
(⬠ + +) to + ?

$$\underline{28} : \underline{4} = \underline{7} : \underline{1}$$



What is the ratio of
▲ to ● ?

$$\underline{35} : \underline{10} = \underline{7} : \underline{2}$$

What is the ratio of
(▲ + ●) to ● ?

$$\underline{45} : \underline{10} = \underline{9} : \underline{2}$$



What is the ratio of
⊗ to ★ ?

$$\underline{9} : \underline{3} = \underline{3} : \underline{1}$$

What is the ratio of
(⊗ + ★) to ★ ?

$$\underline{12} : \underline{3} = \underline{4} : \underline{1}$$

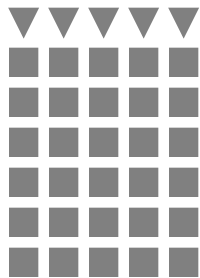


What is the ratio of
★ to ♥ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(★ + ♥) to ♥ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
■ to ▼ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(■ + ▼) to ▼ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
● to ✕ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(● + ✕) to ✕ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
+ to ⬠ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(+ + ⬠) to ⬠ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



Answer Key

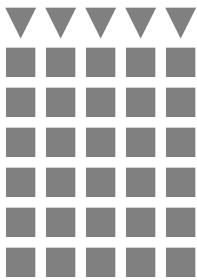


What is the ratio of
★ to ♥ ?

$$\underline{6} : \underline{21} = \underline{2} : \underline{7}$$

What is the ratio of
(★ + ♥) to ♥ ?

$$\underline{27} : \underline{21} = \underline{9} : \underline{7}$$



What is the ratio of
■ to ▼ ?

$$\underline{30} : \underline{5} = \underline{6} : \underline{1}$$

What is the ratio of
(■ + ▼) to ▼ ?

$$\underline{35} : \underline{5} = \underline{7} : \underline{1}$$

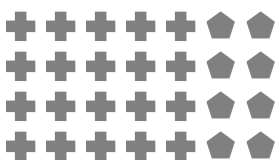


What is the ratio of
● to ✕ ?

$$\underline{4} : \underline{6} = \underline{2} : \underline{3}$$

What is the ratio of
(● + ✕) to ✕ ?

$$\underline{10} : \underline{6} = \underline{5} : \underline{3}$$



What is the ratio of
+ to ⬠ ?

$$\underline{20} : \underline{8} = \underline{5} : \underline{2}$$

What is the ratio of
(+ + ⬠) to ⬠ ?

$$\underline{28} : \underline{8} = \underline{7} : \underline{2}$$

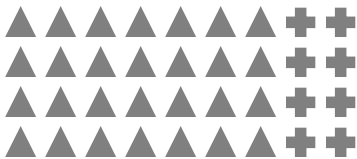


What is the ratio of
★ to ⬠ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(★ + ⬠) to ⬠ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
+ to ▲ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(+ + ▲) to ▲ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

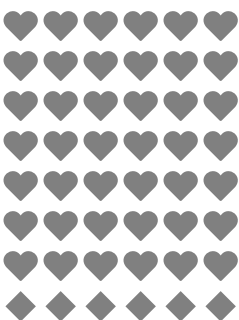


What is the ratio of
■ to ● ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(■ + ●) to ● ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
♥ to ◆ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(♥ + ◆) to ◆ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



Answer Key

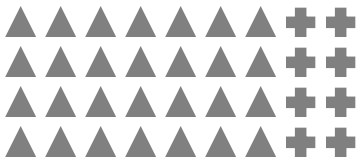


What is the ratio of
★ to ◈ ?

$$\underline{9} : \underline{3} = \underline{3} : \underline{1}$$

What is the ratio of
(★ + ◈) to ◈ ?

$$\underline{12} : \underline{3} = \underline{4} : \underline{1}$$



What is the ratio of
+ to ▲ ?

$$\underline{8} : \underline{28} = \underline{2} : \underline{7}$$

What is the ratio of
(+ + ▲) to ▲ ?

$$\underline{36} : \underline{28} = \underline{9} : \underline{7}$$

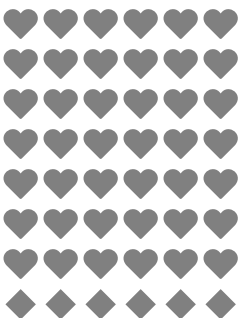


What is the ratio of
■ to ● ?

$$\underline{2} : \underline{10} = \underline{1} : \underline{5}$$

What is the ratio of
(■ + ●) to ● ?

$$\underline{12} : \underline{10} = \underline{6} : \underline{5}$$



What is the ratio of
♥ to ♦ ?

$$\underline{42} : \underline{6} = \underline{7} : \underline{1}$$

What is the ratio of
(♥ + ♦) to ♦ ?

$$\underline{48} : \underline{6} = \underline{8} : \underline{1}$$

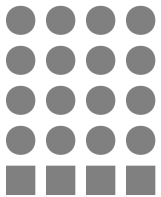


What is the ratio of
◆ to ⬠ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(◆ + ⬠) to ⬠ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
● to ■ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(● + ■) to ■ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
+ to ▲ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(+ + ▲) to ▲ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
★ to ♥ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(★ + ♥) to ♥ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



Answer Key

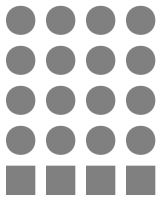


What is the ratio of
♦ to ◈ ?

$$\underline{9} : \underline{6} = \underline{3} : \underline{2}$$

What is the ratio of
(♦ + ◈) to ◈ ?

$$\underline{15} : \underline{6} = \underline{5} : \underline{2}$$



What is the ratio of
● to ■ ?

$$\underline{16} : \underline{4} = \underline{4} : \underline{1}$$

What is the ratio of
(● + ■) to ■ ?

$$\underline{20} : \underline{4} = \underline{5} : \underline{1}$$



What is the ratio of
+ to ▲ ?

$$\underline{8} : \underline{6} = \underline{4} : \underline{3}$$

What is the ratio of
(+ + ▲) to ▲ ?

$$\underline{14} : \underline{6} = \underline{7} : \underline{3}$$



What is the ratio of
★ to ♥ ?

$$\underline{30} : \underline{18} = \underline{5} : \underline{3}$$

What is the ratio of
(★ + ♥) to ♥ ?

$$\underline{48} : \underline{18} = \underline{8} : \underline{3}$$

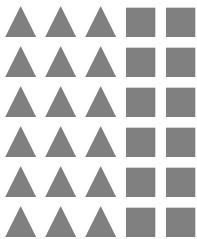


What is the ratio of
 \times to \star ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
 $(\times + \star)$ to \star ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
 \blacksquare to \blacktriangle ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
 $(\blacksquare + \blacktriangle)$ to \blacktriangle ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

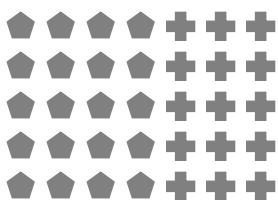


What is the ratio of
 \blacktriangledown to \blacklozenge ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
 $(\blacktriangledown + \blacklozenge)$ to \blacklozenge ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
 \blacklozenge to $+$?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
 $(\blacklozenge + +)$ to $+$?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



Answer Key

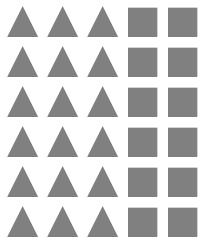


What is the ratio of
✕ to ★ ?

$$\underline{6} : \underline{21} = \underline{2} : \underline{7}$$

What is the ratio of
(✕ + ★) to ★ ?

$$\underline{27} : \underline{21} = \underline{9} : \underline{7}$$



What is the ratio of
■ to ▲ ?

$$\underline{12} : \underline{18} = \underline{2} : \underline{3}$$

What is the ratio of
(■ + ▲) to ▲ ?

$$\underline{30} : \underline{18} = \underline{5} : \underline{3}$$

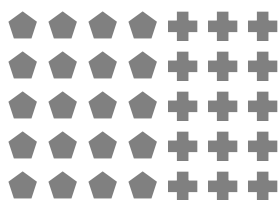


What is the ratio of
▼ to ◆ ?

$$\underline{4} : \underline{24} = \underline{1} : \underline{6}$$

What is the ratio of
(▼ + ◆) to ◆ ?

$$\underline{28} : \underline{24} = \underline{7} : \underline{6}$$



What is the ratio of
⬠ to + ?

$$\underline{20} : \underline{15} = \underline{4} : \underline{3}$$

What is the ratio of
(⬠ + +) to + ?

$$\underline{35} : \underline{15} = \underline{7} : \underline{3}$$

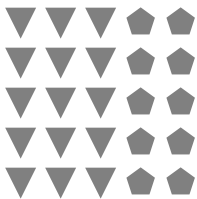


What is the ratio of
● to + ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(● + +) to + ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
◆ to ▼ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(◆ + ▼) to ▼ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

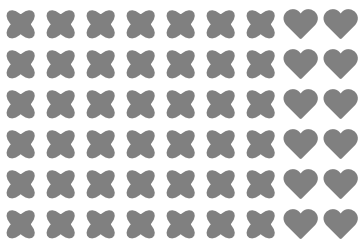


What is the ratio of
★ to ◆ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(★ + ◆) to ◆ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
✕ to ♥ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(✕ + ♥) to ♥ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



Answer Key

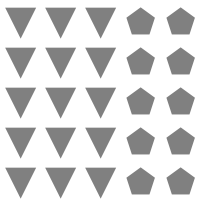


What is the ratio of
● to + ?

$$\underline{6} : \underline{8} = \underline{3} : \underline{4}$$

What is the ratio of
(● + +) to + ?

$$\underline{14} : \underline{8} = \underline{7} : \underline{4}$$



What is the ratio of
◆ to ▼ ?

$$\underline{10} : \underline{15} = \underline{2} : \underline{3}$$

What is the ratio of
(◆ + ▼) to ▼ ?

$$\underline{25} : \underline{15} = \underline{5} : \underline{3}$$

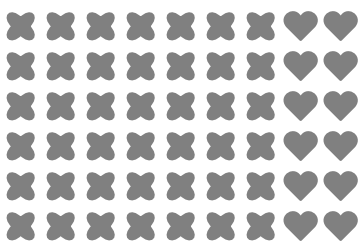


What is the ratio of
★ to ◆ ?

$$\underline{16} : \underline{4} = \underline{4} : \underline{1}$$

What is the ratio of
(★ + ◆) to ◆ ?

$$\underline{20} : \underline{4} = \underline{5} : \underline{1}$$



What is the ratio of
✕ to ♥ ?

$$\underline{42} : \underline{12} = \underline{7} : \underline{2}$$

What is the ratio of
(✕ + ♥) to ♥ ?

$$\underline{54} : \underline{12} = \underline{9} : \underline{2}$$



What is the ratio of
◆ to + ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(◆ + +) to + ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
★ to ✕ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(★ + ✕) to ✕ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

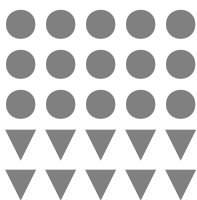


What is the ratio of
■ to ⬠ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(■ + ⬠) to ⬠ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



What is the ratio of
● to ▼ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$

What is the ratio of
(● + ▼) to ▼ ?

$$\underline{\quad} : \underline{\quad} = \underline{\quad} : \underline{\quad}$$



Answer Key



What is the ratio of
◆ to ✚ ?

$$\underline{14} : \underline{2} = \underline{7} : \underline{1}$$

What is the ratio of
(◆ + ✚) to ✚ ?

$$\underline{16} : \underline{2} = \underline{8} : \underline{1}$$



What is the ratio of
★ to ✖ ?

$$\underline{28} : \underline{8} = \underline{7} : \underline{2}$$

What is the ratio of
(★ + ✖) to ✖ ?

$$\underline{36} : \underline{8} = \underline{9} : \underline{2}$$

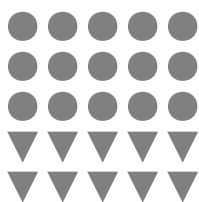


What is the ratio of
■ to ⬠ ?

$$\underline{3} : \underline{6} = \underline{1} : \underline{2}$$

What is the ratio of
(■ + ⬠) to ⬠ ?

$$\underline{9} : \underline{6} = \underline{3} : \underline{2}$$



What is the ratio of
● to ▼ ?

$$\underline{15} : \underline{10} = \underline{3} : \underline{2}$$

What is the ratio of
(● + ▼) to ▼ ?

$$\underline{25} : \underline{10} = \underline{5} : \underline{2}$$



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