

What Do You Call It When One Movie Is Just Like Another Movie?

Write the letter of each exercise in the box containing the answer.

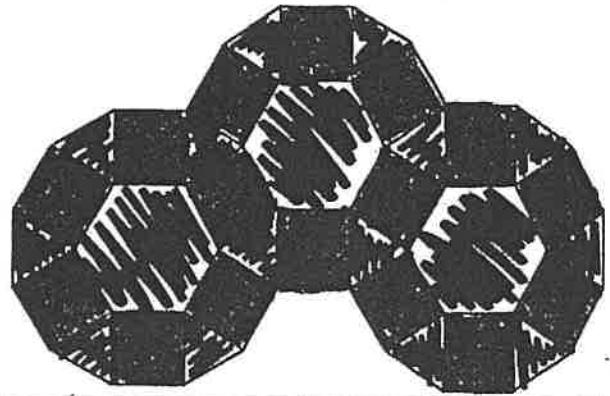
1 This pattern of tiles could be extended to completely cover a surface. Find each ratio:

T. Hexagons to squares. $\frac{3}{16}$

E. Triangles to squares. $\frac{14}{16} = \frac{7}{8}$

O. Squares to triangles. $\frac{16}{14} = \frac{8}{7}$

I. Hexagons to all tiles. $\frac{3}{33} = \frac{1}{11}$



2 Write each ratio in simplest form.

H. $\frac{8 \text{ in.}}{3 \text{ ft}} = \frac{8 \text{ in.}}{36 \text{ in.}} = \frac{2}{9}$ E. $\frac{2 \text{ min.}}{300 \text{ s}} = \frac{120 \text{ s}}{300 \text{ s}} = \frac{2}{5}$ R. $\frac{7 \text{ gal}}{10 \text{ qt}} = \frac{28 \text{ qt}}{10 \text{ qt}} = \frac{14}{5}$ R. $\frac{8 \text{ m}}{60 \text{ cm}} = \frac{800 \text{ cm}}{60 \text{ cm}} = \frac{40}{3}$ E. $\frac{500 \text{ g}}{4 \text{ kg}} = \frac{500 \text{ g}}{4000 \text{ g}} = \frac{1}{8}$

3 The Vultures had 15 wins, 9 losses, and 1 tie. Write each ratio in simplest form.

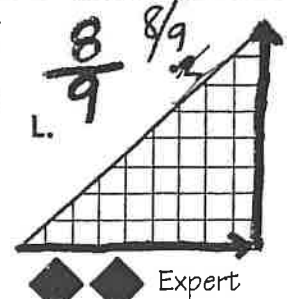
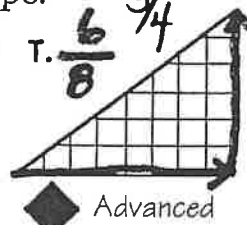
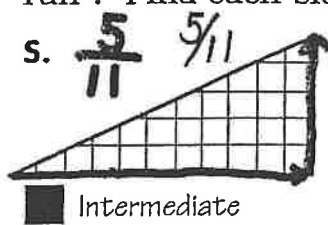
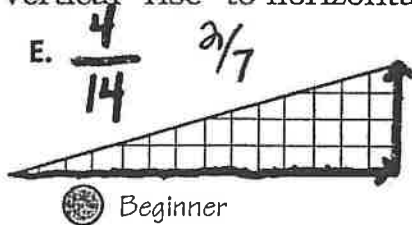
T. wins to losses $\frac{15}{9} = \frac{5}{3}$

O. wins to ties $\frac{15}{1}$

E. wins to games $\frac{15}{25} = \frac{3}{5}$

U. losses to games $\frac{9}{25}$

4 The steepness or slope of a ski run can be expressed as a ratio of vertical "rise" to horizontal "run". Find each slope.



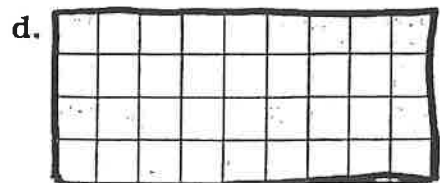
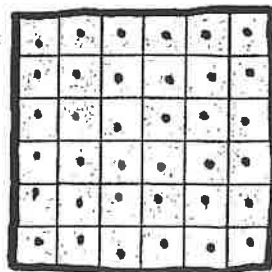
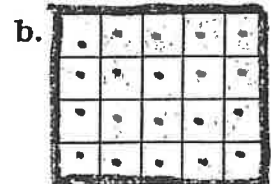
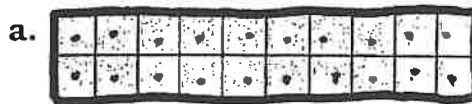
5 Find the perimeter and area for each rectangle at the right. Then write each ratio in simplest form.

Q. $\frac{\text{perimeter of a}}{\text{perimeter of b}} = \frac{24}{18} = \frac{4}{3}$

H. $\frac{\text{area of a}}{\text{area of b}} = \frac{20}{20} = 1$

N. $\frac{\text{perimeter of c}}{\text{perimeter of d}} = \frac{24}{26} = \frac{12}{13}$

S. $\frac{\text{area of a}}{\text{area of c}} = \frac{20}{36} = \frac{5}{9}$



$\frac{15}{1}$ $\frac{12}{13}$ $\frac{2}{5}$ $\frac{4}{7}$ $\frac{1}{11}$ $\frac{5}{11}$ $\frac{7}{5}$ $\frac{5}{9}$ $\frac{1}{8}$ $\frac{4}{3}$ $\frac{9}{25}$ $\frac{7}{8}$ $\frac{8}{9}$ $\frac{7}{11}$ $\frac{5}{3}$ $\frac{14}{5}$ $\frac{5}{4}$ $\frac{3}{16}$ 1 $\frac{3}{5}$ $\frac{11}{18}$ $\frac{8}{7}$ $\frac{3}{4}$ $\frac{2}{9}$ $\frac{2}{7}$ $\frac{40}{3}$
O N E I S S E Q U E L T O T H E O T H E R

Why Shouldn't You Cross a Parrot with a Shark?



Do each exercise and find your answer in the Code Key. Write the letter next to the answer in the box containing the number of the exercise.

CODE KEY

$\frac{3}{5}$ A

$\frac{2}{1}$ E

$\frac{4}{3}$ F

$\frac{5}{12}$ G

$\frac{3}{7}$ H

$\frac{5}{3}$ I

$\frac{3}{2}$ K

$\frac{5}{6}$ L

$\frac{1}{2}$ M

$\frac{1}{3}$ O

$\frac{5}{8}$ R

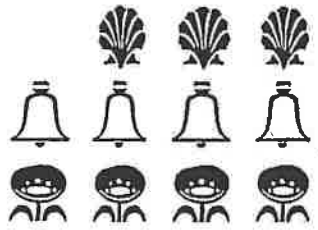
$\frac{3}{4}$ T

$\frac{9}{16}$ U

$\frac{4}{7}$ Y

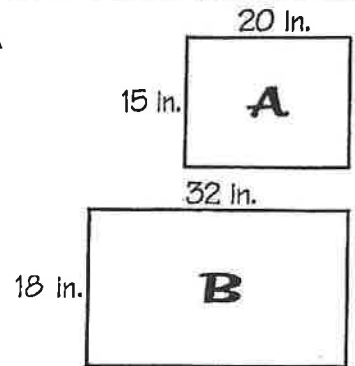
A. Write each ratio.

1. shells to bells $\frac{3}{4}$ 4. flowers to shells $\frac{5}{3}$
 2. bells to shells $\frac{4}{3}$ 5. flowers to all figures $\frac{5}{12}$
 3. shells to flowers $\frac{3}{5}$ 6. bells to all figures $\frac{4}{12} = \frac{1}{3}$



B. Mr. McFoo was comparing two TV screens. Screen A was 15 in. high and 20 in. wide. Screen B was 18 in. high and 32 in. wide. Write each ratio:

7. height of screen A to width of screen A $\frac{3}{4}$
 8. height of screen B to width of screen B $\frac{9}{16}$
 9. height of screen A to height of screen B $\frac{5}{6}$
 10. width of screen A to width of screen B $\frac{5}{8}$

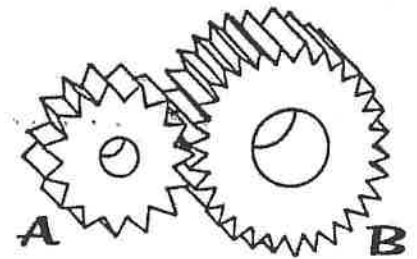


C. Kickapoo College has 1400 students, of which 600 are men. Write each ratio:

11. men to women $\frac{3}{4}$ 13. women to men $\frac{4}{3}$
 12. men to all students $\frac{3}{7}$ 14. women to all students $\frac{4}{7}$

D. Count the number of teeth on each gear. Then write each ratio.

15. teeth on gear A to teeth on gear B $\frac{1}{2}$
 16. teeth on gear B to teeth on gear A $\frac{2}{1}$



F. Shark Middle School ordered T-shirts for the graduating class. The school ordered 40 small, 50 medium, and 60 large shirts. Write each ratio.

17. number of medium shirts to total number of shirts $\frac{1}{3}$ 18. number of large shirts to number of small shirts $\frac{3}{2}$

G. The Brighter Brass Company combined 75 kg of copper with 45 kg of zinc to make brass. Write each ratio.

19. copper to zinc $\frac{5}{3}$ 20. zinc to copper $\frac{3}{5}$ 21. copper to brass $\frac{5}{8}$

4 11 15 19 5 12 1 7 20 9 18 14 17 8 10 16 3 21 6 13 2
 I T M I G H T T A L K Y O U R E A R O F F