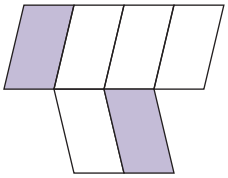
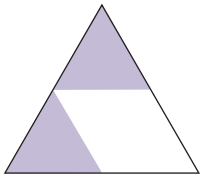
Fractions, decimals and percentages practice page 1

Now test your skills with these practice pages. If you get stuck, go back to pages 48 to 71 for some reminders.

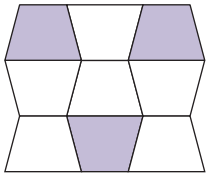
Fractions of shapes

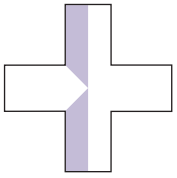
What fraction of each shape is shaded?

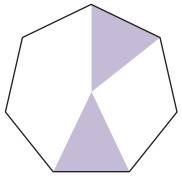
1.  _____

3.  _____

5.  _____

2.  _____

4.  _____

6.  _____

Fractions of quantities

7. What is $\frac{1}{9}$ of 63? _____

8. What is $\frac{2}{3}$ of 126? _____

9. There are 72 rabbits in a field. $\frac{2}{3}$ are brown. How many are not brown? _____

10. Rebecca sorted her sweets into colours. $\frac{2}{5}$ were red. If there were 40 red sweets, how many sweets did she have altogether? _____

Equivalent fractions

11. $\frac{3}{5} = \frac{\quad}{30}$

12. $\frac{\quad}{9} = \frac{3}{27}$

13. $\frac{7}{12} = \frac{42}{\quad}$

14. $\frac{8}{\quad} = \frac{48}{72}$

Circle the two equivalent fractions in each group.

15. $\frac{5}{6}$ $\frac{9}{24}$ $\frac{2}{3}$ $\frac{7}{14}$ $\frac{4}{7}$ $\frac{6}{16}$ $\frac{1}{5}$

16. $\frac{1}{2}$ $\frac{3}{16}$ $\frac{2}{5}$ $\frac{5}{8}$ $\frac{4}{6}$ $\frac{14}{35}$ $\frac{6}{10}$

Improper fractions and mixed numbers

Convert these improper fractions into mixed numbers.

17. $\frac{34}{12}$ _____

18. $\frac{19}{9}$ _____

19. $\frac{23}{5}$ _____

Convert these mixed numbers into improper fractions.

20. $2\frac{3}{4}$ _____

21. $6\frac{2}{7}$ _____

22. $5\frac{4}{9}$ _____

Simplifying fractions

Simplify these fractions.

23. $\frac{18}{45} =$ _____

25. $\frac{15}{60} =$ _____

27. $\frac{16}{44} =$ _____

24. $\frac{7}{28} =$ _____

26. $\frac{12}{36} =$ _____

28. $\frac{17}{54} =$ _____