# Multiplying and dividing
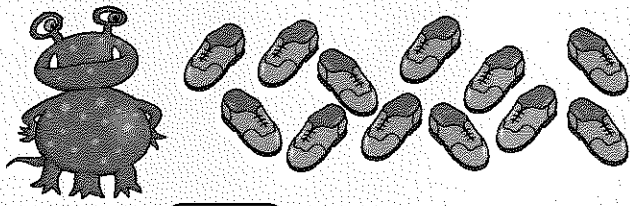
[ ] × 3 = 12

12 ÷ 3 = [ ]
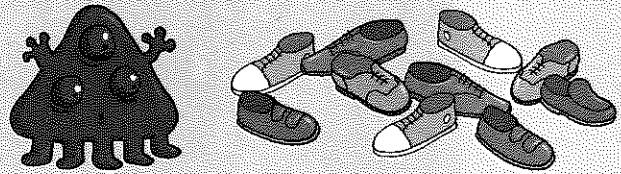
[ ] × 5 = 10

10 ÷ 5 = [ ]
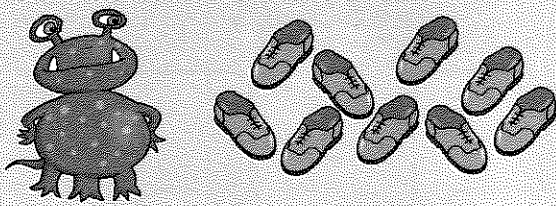
[ ] × 3 = 9

9 ÷ 3 = [ ]
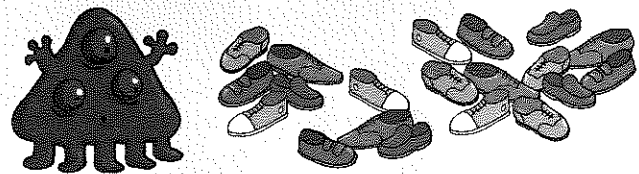
[ ] × 5 = 20

20 ÷ 5 = [ ]
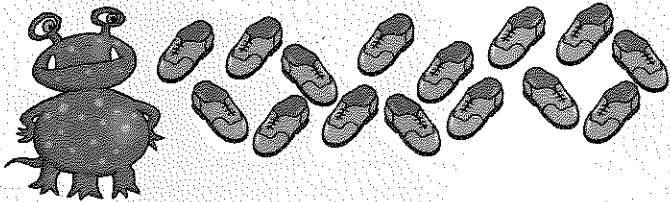
[ ] × 3 = 15

15 ÷ 3 = [ ]
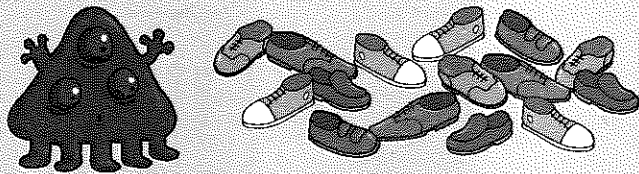
[ ] × 5 = 15

15 ÷ 5 = [ ]

Group the shoes into 3s for the 3-legged monster and into 5s for the five-legged monster.
Complete the multiplications and divisions.

**ACTION** Use cubes in groups of 3 or 5 to help.

**THINK** [ ] × [ ] = 12
What numbers could go in the boxes?

2

# Multiplication and division

$4 \times 2p = 8p$

$8p \div 2 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 2p = 12p$

$12p \div 2 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 2p = 16p$

$16p \div 2 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 5p = 15p$

$15p \div 5 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 5p = 30p$

$30p \div 5 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 3 = 6$

$6 \div 3 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 3 = 12$

$12 \div 3 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 3 = 30$

$30 \div 3 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \times 3 = 15$

$15 \div 3 = \boxed{\phantom{00}}$

Complete the multiplications and divisions.

**ACTION** Use counting equipment to make each total and group it.

**THINK** $\boxed{\phantom{0}} \div \boxed{\phantom{0}} = 3$
What numbers could go in the boxes?

33

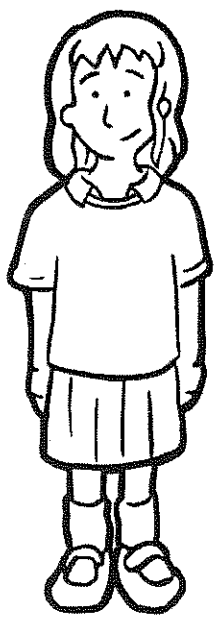Name .............................. Class ...................... Date ......................

## Further mastery – multiplication and division

**1** For each of the following, draw an array of dots to represent the calculations.

**a** $2 \times 8$

**b** $5 \times 4$

**c** $7 \times 10$

**2** Write each <u>multiplication</u> sentence as an <u>addition</u> sentence.

**a** $2 \times 5 =$ ...................................................

**b** $10 \times 6 =$ ...................................................

**c** $8 \times 5 =$ ...................................................

**3** Now write each <u>addition</u> sentence as a <u>multiplication</u> sentence.

**a** $2 + 2 + 2 + 2 + 2 + 2 + 2 =$ ...................................................

**b** $5 + 5 + 5 + 5 + 5 =$ ...................................................

**c** $10 + 10 + 10 + 10 + 10 + 10 =$ ...................................................

*Continued overleaf*

Name ............................................... Class ....................... Date ........................
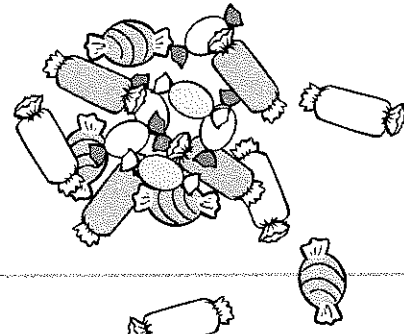
**4** Write a multiplication or division <u>sentence</u> to match each of the following problems. Then solve the problem.

**a** Yanik had **5** bags of footballs. Each bag had **3** footballs. How many footballs did Yanik have altogether?

☐ ☐ ☐ = ☐

**b** **70** sweets were shared between **10** friends. How many sweets did each friend get?

☐ ☐ ☐ = ☐

**5** **a** Complete the **5** and **10-times** tables.

$5 \times 5 =$ ☐          $10 \times 5 =$ ☐

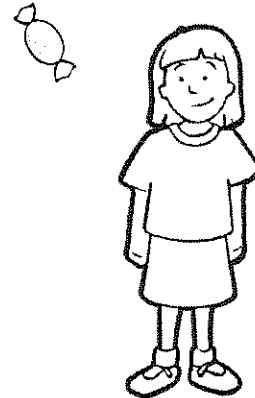$5 \times 6 =$ ☐          $10 \times 6 =$ ☐

$5 \times 7 =$ ☐          $10 \times 7 =$ ☐

$5 \times 8 =$ ☐          $10 \times 8 =$ ☐

**b** Compare the answers to the **5-times** table to the answers to the **10-times** table. What do you notice?

.................................................................................................................

**6** Aftab is **15**. Roxy is double Aftab's age. To find Jayden's age, divide Roxy's age by **5**. Rosie is **3 times** as old as Jayden.

**a** How old is Roxy? ☐

**b** How old is Jayden? ☐

**c** How old is Rosie? ☐