

Example 12

What is the quotient of $434 \div 7$?

$$434 \div 7$$

$$\begin{array}{r} 2 \\ 60 \\ 7 \overline{) 434} \\ - 420 \\ \hline 14 \\ - 14 \\ \hline 0 \end{array}$$

$$\{7 \times 6(0) = 42(0)\}$$

{subtract}

$$\{7 \times 2 = 14\}$$

{subtract}



So $434 \div 7 = 62$

Multiplication and division are easier if you know your times tables.

**EXERCISE 4D (continued)**

9 Find the quotient:

a $15 \div 5$

b $150 \div 5$

c $1500 \div 5$

d $15\,000 \div 5$

e $48 \div 6$

f $480 \div 6$

g $4800 \div 6$

h $480\,000 \div 6$

i $523 \div 3$

j $927 \div 7$

k $825 \div 4$

l $823 \div 9$

m $1549 \div 5$

n $1763 \div 6$

o $3005 \div 7$

p $2647 \div 8$

Example 13

Simplify $1620 \div 30$

$$\begin{array}{r} 4 \\ 50 \\ 30 \overline{) 1620} \\ - 1500 \\ \hline 120 \\ - 120 \\ \hline 0 \end{array}$$

$$\{3(0) \times 5(0) = 15(00)\}$$

{subtract}

$$\{3(0) \times 4 = 12(0)\}$$

$1620 \div 30 = 54$

10 Simplify the following:

a $1360 \div 40$

b $1180 \div 20$

c $5820 \div 60$

d $6570 \div 90$

e $1635 \div 60$

f $3975 \div 50$

g $4231 \div 30$

h $8521 \div 70$

- g** Share \$660 equally among 5 people.
- h** The 32 staff of a school each collect \$575 from a lottery syndicate. How much did the syndicate win altogether?



- i** A theatre sold 895 \$7 children's tickets and 256 \$11 adults' tickets.
- i** How many tickets were sold altogether?
 - ii** How much money was paid for all the tickets?
- j** Sophia earned \$37 948 in her first year in a new job. In her second year she earned \$4376 more than in the first year.
- i** How much did she earn in her second year?
 - ii** How much did she earn in her first two years?
 - iii** Estimate her weekly salary for her first year.
- 14** A shearer shears an average of 28 sheep per hour. If he works an eight hour day, how many sheep does he shear?
- 15** A stamp collector has 45 pages in her album. If each page can hold 36 stamps, how many stamps can she keep in the album?
- 16** The Year 7 classes in a school have the following roll numbers: 26, 27, 25, 26, and 28. How many students are there in Year 7?
- 17** A farmer has 860 sheep to transport. If the trucking company sends 4 trucks to do the job and each truck carries the same number of sheep, how many sheep will be on each truck?
- 18** Amiria has \$1040 in her bank. She withdraws \$320 to pay for a DVD player. What is the balance of her account now?
- 19** A family pays \$45 per month for their television. What is the yearly cost?
- 20** A movie theatre holds 490 people. How many rows of seats are there if each row has 35 seats?
- 21** If team A scores 254 and 312 in their two innings and team B scores 176 and 381, who wins and by how many runs?
- 22** George delivers 46 papers each day from Monday through Saturday. How many papers does he deliver in a week? If he is paid 10 cents for every delivery, what does he earn in a week?

