

Examples (with remainders)

- (a) How many teams of 5 can you make from 113 people?

Work out $113 \div 5$
$$\begin{array}{r} 022 \\ 5 \overline{)1113} \end{array}$$
 remainder 3

Here we round *down*. You can make 22 teams and there will be 3 people left over.

- (b) An egg box holds 6 eggs. How many boxes do you need for 231 eggs?

Work out $231 \div 6$
$$\begin{array}{r} 38 \\ 6 \overline{)2351} \end{array}$$
 remainder 3

Here we round *up* because you must use complete boxes. You need 39 boxes altogether.

E1.6

Write the answers with a remainder.

- | | | | |
|------------------------------|------------------------------|-------------------------------|-------------------------------|
| 1 $2 \overline{)432}$ | 2 $4 \overline{)716}$ | 3 $6 \overline{)895}$ | 4 $3 \overline{)164}$ |
| 5 $8 \overline{)514}$ | 6 $9 \overline{)375}$ | 7 $5 \overline{)2642}$ | 8 $2 \overline{)7141}$ |
| 9 $1079 \div 7$ | 10 $2132 \div 5$ | 11 $4014 \div 8$ | 12 $235 \div 6$ |
| 13 $657 \div 10$ | 14 $8327 \div 10$ | 15 $85714 \div 6$ | 16 $4826 \div 9$ |
| 17 $2007 \div 7$ | 18 $9998 \div 9$ | 19 $6732 \div 11$ | 20 $84563 \div 7$ |

In the questions below, round the answer up or down, depending on which is more sensible.

- 21** There are 27 children in a class. How many teams of 4 can be made?
- 22** Tickets cost £ 7 each. I have £ 100. How many tickets can I buy?
- 23** Tins of spaghetti are packed 8 to a box. How many boxes are needed for 943 tins?
- 24** Five people can travel in one car. 83 people are to be transported. How many cars are needed?
- 25** A tennis coach has 52 tennis balls. A box holds 4 tennis balls. How many boxes does the tennis coach hold?

