TARGET To solve word problems involving division mentally.

Examples

Thirty children are divided into 3 equal groups. How many children are there in each group?

$$30 \div 3 = 10$$

10 children in each group.

Each box holds 4 cakes. How many boxes are needed for 36 cakes?

$$36 \div 4 = 9$$

9 boxes are needed.

A

1 Dolly works five days each week. She works the same number of hours every day and 35 hours in a week altogether. How many hours does she work each day?

2 How many 10 cm lengths can be cut from 80 cm of string?

3 Alfie solves a jigsaw puzzle in 30 minutes. John does it in half the time. How long does John take to solve the puzzle?

4 How many triangles can be made from 18 straws?

5 Thirty PE mats are sorted into five equal piles. How many mats are there in each pile?

6 There are 28 children in a class. One quarter have fair hair. How many children in the class have fair hair?

B

1 Shelley has 32 fish. One quarter of the fish are red. How many red fish does she have?

2 Eight sandwiches are put onto each plate. How many plates are needed for 64 sandwiches?

3 Towels are made in equal numbers of pink, blue and green. How many pink towels are there if there are 60 towels altogether?

4 Lollipops cost 9p each. How many does Zack buy for 45p?

5 There are 48 children at a Gym Club. They are divided equally between the eight coaches. How many children are there in each group?

6 How many complete weeks are there in February in a year which is not a leap year?

C

1 Sixty pins are kept in each box. How many boxes are needed for 300 pins?

2 How many 20 g weights are needed to make 140 g?

3 A factory produces 240 cars. One eighth of the cars are sprayed red. How many cars are sprayed red?

4 Eggs are packed into boxes of 12. How many boxes are needed for sixty eggs?

5 There are 81 children in Year 3. They are divided equally into three classes. How many children are there in each class?

6 A garden centre sells plants in trays of nine? How many trays can be made from 72 plants?