Orders

ORDERS

Parkland School	
Technokits required	
age group	number
3 to 5 years	36
6 to 8 years	24
older than 8	40
total	100

Queensway School	
Jigsaws required	
age group	number
3 to 5 years	29
6 to 8 years	33
older than 8	38
total	100

Crinan School	
Buildakits required	
age group	number
3 to 5 years	42
6 to 8 years	24
older than 8	34
total	100

1 Write the number of kits for each age group as a **fraction** and as a **percentage** of each school's total order.

Newton Centre	
Jigsaws required	
size	number
large	17
small	8
total	25

Newton Centre ordered 17 large jigsaws out of a total of 25.

$$\frac{17}{25} = \frac{68}{100} = 68\%$$ **68%** were large.

2 Write the number of small jigsaws as a fraction and as a percentage of the total order.

3 Repeat question 2 for these orders.

Jigsaws

Order	(a)	(b)	(c)	(d)	(e)	(f)
Small	6	34	29	13	8	11
Total	25	50	50	20	20	25

Redlands Group	
Constructakits required	
size	number
large	18
small	6
total	24

Redlands Group ordered 18 large Constructakits out of a total of 24.

$$\frac{18}{24} = \frac{3}{4} = \frac{75}{100} = 75\%$$ **75%** were large.

4 Write the number of small Constructakits as a fraction and as a percentage of the total order.

5 Write as a percentage of each order the number of
- large kits
- small kits   *Constructakits*

Order	(a)	(b)	(c)	(d)	(e)	(f)
Large	8	16	3	23	21	4
Small	24	16	27	23	7	36

R19

H29

6 Write as a percentage:

(a) $\frac{5}{10}$ (b) $\frac{7}{25}$ (c) $\frac{6}{12}$ (d) $\frac{9}{20}$ (e) $\frac{18}{50}$ (f) $\frac{41}{100}$ (g) $\frac{4}{16}$

Problem solving

7 Lome Centre ordered 30 large Buildakits. This was 25% of their total order. Small Buildakits made up the rest of the order. How many of these were ordered?