

Book 3 Paper

280 people are going on a train. Each carriage can carry 52 people.

1 How many carriages are needed? _____

A bus departs at 08.53 and arrives at 11.09.

2 How long is the journey? _____ hr _____ min

Multiply by 100.

3 0.34 _____

4 0.0083 _____

5 0.89 _____

6 1.01 _____

7–10 Fill in the missing numbers.

$$\begin{array}{r} \text{7 rem 3} \\ 9 \overline{) \quad \quad} \\ \underline{\quad \quad} \end{array}$$

$$\begin{array}{r} \text{5 rem 3} \\ 8 \overline{) \quad \quad} \\ \underline{\quad \quad} \end{array}$$

$$\begin{array}{r} \text{_____ rem 6} \\ 7 \overline{) \quad 48} \\ \underline{\quad \quad} \end{array}$$

$$\begin{array}{r} \text{_____ rem 2} \\ 9 \overline{) \quad 38} \\ \underline{\quad \quad} \end{array}$$

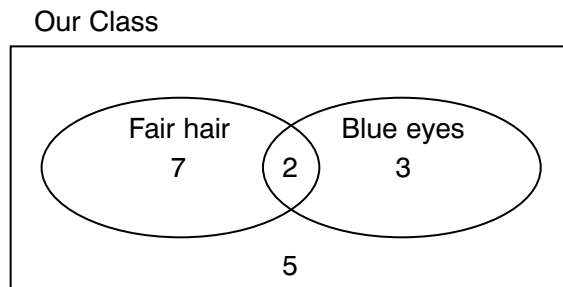
There are 35 children in Class 4. There are 3 girls to every 2 boys.

11–12 There are _____ girls and _____ boys in Class 4.

13–16 The pairs of factors of 20 are: 1 and 20, _____ and _____, _____ and _____

17–26 The pairs of factors of 48 are: _____ and _____, _____ and _____, _____ and _____, _____ and _____, _____ and _____

The children in our class made a Venn diagram to show how many had fair hair and blue eyes.



- 27 How many children are in our class? _____
- 28 How many children have fair hair? _____
- 29 How many have blue eyes? _____
- 30 How many have both fair hair and blue eyes? _____
- 31 _____ children don't have fair hair.
- 32 _____ children don't have blue eyes.

6

Fill in the missing numbers.

- 33 $5 \times 7 \times \underline{\hspace{2cm}} = 350$
- 34 $4 \times 4 \times \underline{\hspace{2cm}} = 320$
- 35 $7 \times 3 \times \underline{\hspace{2cm}} = 63$
- 36 $8 \times 3 \times \underline{\hspace{2cm}} = 72$
- 37 $5 \times 8 \times \underline{\hspace{2cm}} = 240$
- 38 $10 \times 3 \times \underline{\hspace{2cm}} = 330$
- 39 $3 \times 0.008 = \underline{\hspace{2cm}}$
- 40 $5 \times 1.01 = \underline{\hspace{2cm}}$

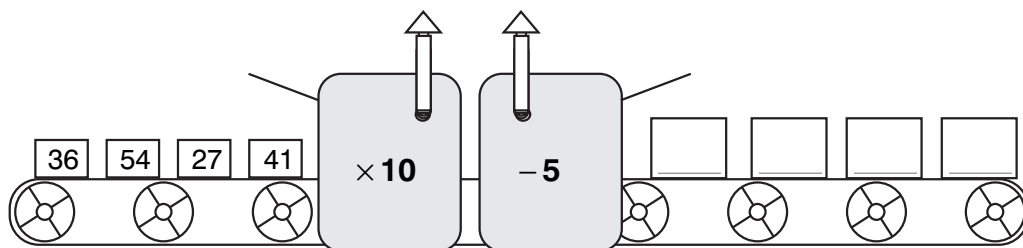
8

Change these fractions into their simplest form.

- 41 $\frac{30}{60} = \underline{\hspace{2cm}}$
- 42 $\frac{4}{24} = \underline{\hspace{2cm}}$
- 43 $\frac{50}{50} = \underline{\hspace{2cm}}$
- 44 $\frac{25}{30} = \underline{\hspace{2cm}}$
- 45 $\frac{10}{50} = \underline{\hspace{2cm}}$
- 46 $\frac{18}{24} = \underline{\hspace{2cm}}$

6

47–50 What numbers are coming out of the machine?



4

50
TOTAL

Paper 3

- 1 6
- 2 2 hr 16 mins
- 3 34
- 4 0.83
- 5 89
- 6 101
- 7 66
- 8 43
- 9 6
- 10 4
- 11 21 girls
- 12 14 boys
- 13–16
2 and 10, 4 and 5
- 17–26
1 and 48, 2 and 24, 3 and
16, 4 and 12, 6 and 8
- 27 17
- 28 9
- 29 5
- 30 2
- 31 8
- 32 12
- 33 10
- 34 20
- 35 3
- 36 3
- 37 6
- 38 11
- 39 0.24
- 40 5.05
- 41 $\frac{1}{2}$
- 42 $\frac{1}{6}$
- 43 1
- 44 $\frac{5}{6}$
- 45 $\frac{1}{5}$
- 46 $\frac{3}{4}$
- 47 355
- 48 535
- 49 265
- 50 405