

Date: _____

Fraction & Percentage of a Quantity

Examples:

Work out the following.

a 35% of 200

b $\frac{2}{3}$ of 150

Answers

70

100

Work out these problems:

1. Calculate these.

a 4% of 675

b 162% of 1050

c 18% of 250

d 25% of 780

e 35% of 3120

f 30% of 80

g 240% of 85

h 20% of 460

i 60% of 610

j 25% of 104

2. Without using a calculator, work out these.

a $\frac{5}{6}$ of 54

b $\frac{3}{11}$ of 132

c $20 \times \frac{4}{9}$

d $7 \times \frac{1}{3}$

e $\frac{2}{9}$ of 63

f $\frac{2}{13} \times 104$

g $\frac{5}{12}$ of 120

h $\frac{3}{8}$ of 40

3. What is $\frac{7}{9}$ of $\frac{2}{3}$ of 162?

4. Beatrice is sorting out rotten apples from the fresh ones. She opens a box of 150 apples and throw away the rotten apples.

a The box contains 12% of rotten apples. How many are the good ones?

- b** 60% of the apples are green. If seven of these are rotten, how many fresh green apples does she have?
- 5.** Larry bought 30 litres of milk. He transferred the milk to bottles that can hold $\frac{3}{4}$ litre of milk. How many bottles can he fill?
- 6.** Mary cuts a 153 cm long paper roll into $8\frac{1}{2}$ cm-long strips. How many strips can she cut?
- 7.** Kate has £26. She spent 57% of the money on food and 11% of the money on a train ride.
- a** Calculate the money Kate spent on food.
- b** Calculate the money Kate have left.

