

# Sutton Maths Class

## Year 4 - Week 3 Percentages

### Starter:

1 Simplify:

a)  $\frac{6}{15}$

b)  $\frac{55}{66}$

2 Complete the following:

$$\frac{4}{5} = \frac{?}{35} = \frac{8}{?}$$

3 Convert the following improper fractions to mixed numbers:

a)  $\frac{15}{4}$       b)  $\frac{43}{5}$

4 Calculate  $6299 + 5399$ .

7 Calculate  $5032 - 999$ .

8  $15.5 + 3.5 =$

9  $(4 + 10) \div 7 =$

10  $(10 - 3) \times (8 - 3) =$

11 Find  $\frac{3}{8}$  of £160.

12 In a class of 30 children, 14 take packed lunches. What fraction DO NOT take packed lunches?

13 Complete the following:

a)  $2\text{m} = \underline{\hspace{2cm}} \text{cm}$

b)  $1 \text{ litre} = \underline{\hspace{2cm}} \text{ml}$

c)  $3\text{kg} = \underline{\hspace{2cm}} \text{g}$

d)\*  $7.5\text{m} = \underline{\hspace{2cm}} \text{cm}$

e)\*  $500\text{g} = \underline{\hspace{2cm}} \text{kg}$

### Questions:

Find the value of:

1 40% of 500

2 35% of 1200

3 14% of £3000

4 25% of 90kg

5 25% of 150

6 8% of £1.00

7 30% of 2m

8 15% of £9

9 70% of 200

10 30% of £3.50

11 1% of £6.00

12 3% of £6.00

13\* 32% of £25

14 58% of 7kg

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Find as a percentage:

- 13 65 out of 100
- 14 5p out of 20p
- 15 £4 out of £200
- 16\* 12p out of £1.00
- 18\* £2.50 out of £5
- 19\* 20cm out of 4m
- 20\* 60g out of 2kg
- 21\* A shop has a sale with 20% off everything. Find the sale price for the following items with their original price:
- a) Radio £20
  - b) Clock £14
  - c) Dinner Set £55
- 22\* Increase 500g by 30%
- 23\* Decrease 2kg by 35%
- 24\* James gets £5 pocket money each week. His parents increase this by 15%. How much pocket money will he get after the increase?
- 25\* Fay deposits £30 into her bank and does not add or take out any money for a year. She gains interest each year of 5%. How much does she have after a year.
- 26\* Increase £800 by 12.5%.
- 27\* In a test Harry scores 16 marks out of 20. What percentage did he get on this test?
- 28\* In a school year of 60 children, 36 are boys. What percentage are boys? What percentage are girls?
- 29\* In an empty petrol tank with capacity 50 litres, Mr Richards adds 35 litres of petrol. The petrol tank is \_\_\_\_% full (fill in the gap).
- 30\*\* These two shops are selling the same phone. Russells Retail's usual price is £300. Jones Phones usual price is £280. Which shop is selling it cheaper in their sale?

**Russell Retail**

**Special Deal**

**15% off all phones**

**Jones Phones**

**Discount Deal**

**10% off all phones**