

1a. There are 100 glue sticks in a box.

Year 5 takes $\frac{20}{100}$ of the glue sticks.
Year 3 takes 40% of the glue sticks.



How many does each year group have?
How many are left in the box?
What percentage is this?



PS

1b. There are 100 marbles in a jar.

Alice takes $\frac{40}{100}$ of the marbles. Cian takes 40% of the marbles.



How many does each child have?
How many are left in the jar?
What percentage is this?



PS

2a. Convert the fractions and decimals below into percentages.

$$\frac{45}{100} \quad \frac{48}{100} \quad 0.04 \quad \frac{47}{100} \quad 0.4$$

Write the percentages in descending order.



PS

2b. Convert the fractions and decimals below into percentages.

$$0.5 \quad \frac{5}{100} \quad \frac{55}{100} \quad \frac{15}{100} \quad 0.25$$

Write the percentages in ascending order.



PS

3a. Johnny and Alice are converting fractions and decimals into percentages.



Johnny

0.05 as a percentage is 50%.

$$\frac{5}{100} \text{ as a percentage is } 5\%.$$



Alice

Who is correct?
Explain how you know.



R

3b. Isabel and Cian are converting fractions and decimals into percentages.



Isabel

0.25 as a percentage is 25%.

$$\frac{25}{100} \text{ as a percentage is } 25\%.$$



Cian

Who is correct?
Explain how you know.



R

4a. There are 200 sweets in a jar.

Lucy takes $\frac{3}{10}$ of the sweets. Alice takes 50% of the sweets.



How many does each child have?
How many are left in the jar?
What percentage is this?



PS

4b. There are 100 pencils in a box.

Class 5 takes $\frac{4}{10}$ of the pencils. Class 4 takes 25% of the pencils.



How many does each class have?
How many pencils are left in the box?
What percentage is this?



PS

5a. Convert the fractions and decimals below into percentages.

$$\frac{22}{200} \quad \frac{58}{100} \quad 0.5 \quad \frac{30}{300} \quad 0.15$$

Write the percentages in ascending order.



PS

5b. Convert the fractions and decimals below into percentages.

$$0.7 \quad \frac{72}{100} \quad \frac{148}{200} \quad \frac{75}{300} \quad 0.75$$

Write the percentages in descending order.



PS

6a. Steph and Gabriel are converting fractions and decimals into percentages.



Steph

0.07 as a percentage is 70%.

$\frac{70}{100}$ as a percentage is 70%.



Gabriel

Who is correct?
Explain how you know.



R

6b. Hannah and Sean are converting fractions and decimals into percentages.



Hannah

0.5 as a percentage is 50%.

$\frac{50}{200}$ as a percentage is 50%.



Sean

Who is correct?
Explain how you know.



R

7a. There are 30 chocolate bars in one box and 20 in the other.
Bill's Shop sells $\frac{5}{25}$ of the bars. Jack's Store sells 50% of the bars.



How many does each owner sell?
How many are left to sell?
What percentage is this?



PS

7b. There are 125 sweets in each sweet jar. Sean and Ben take $\frac{1}{5}$ of the sweets each. Steph takes 24% of the sweets.



How many does each child have?
How many sweets are left in the jars?
What percentage is this?



PS

8a. Convert the fractions and decimals below into percentages.

$$\frac{20}{25} \quad \frac{36}{50} \quad 0.52 \quad \frac{96}{300} \quad 0.75$$

Write the percentages in descending order.



PS

8b. Convert the fractions and decimals below into percentages.

$$0.92 \quad \frac{180}{200} \quad \frac{48}{50} \quad \frac{22}{25} \quad 0.8$$

Write the percentages in ascending order.



PS

9a. Kelly and Josh are converting fractions and decimals into percentages.



0.36 as a percentage is 36%.

Kelly



Josh

$$\frac{9}{25} \text{ as a percentage is } 36\%.$$

Who is correct?
Explain how you know.



R

9b. Lucy and Ben are converting fractions and decimals into percentages.



Lucy

0.8 as a percentage is 8%.



Ben

$$\frac{20}{25} \text{ as a percentage is } 80\%.$$

Who is correct?
Explain how you know.



R