

Alavi

21st Century Schools

An isometric illustration featuring a large blue book with a white cover. A person in a blue jacket and red pants stands on the book's pages, holding a small red chart. To the left, a yellow cone with a dashed vertical line is shown above a blue and red bar chart. To the right, a person in a red top and blue pants holds a large yellow pencil. Another bar chart with red and yellow bars is positioned at the bottom right of the book. The entire scene is set against a white background with a large blue wave-like shape on the right side.

Sessions 37/38/39

Name the place values from left to right.

Decimal Place Value Chart

| | | | | | | | |
|--|--|--|--|---|--|--|--|
| | | | | | | | |
| | | | | . | | | |

Match.

Fraction

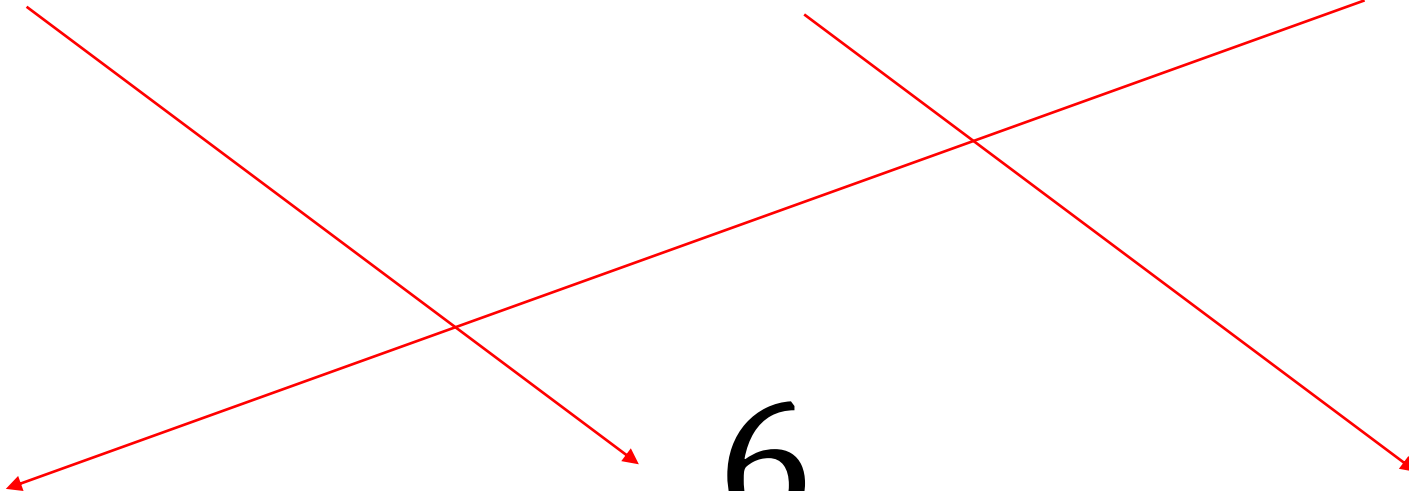
Decimal

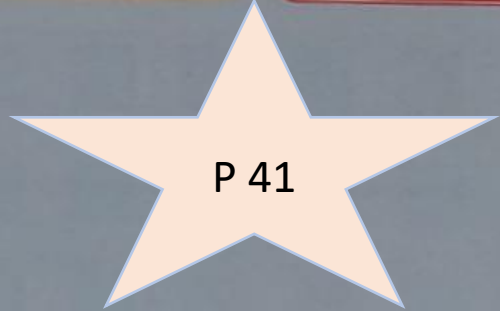
Percentage

6%

$\frac{6}{100}$

0.06

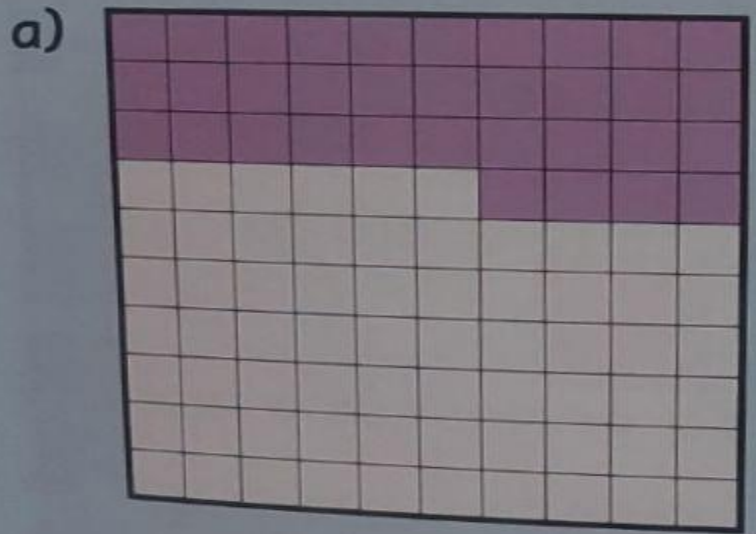




1. Write:

- a fraction with hundredths
- a decimal
- a percent

to name the shaded part of each grid.



○ ○ ○



○ ○ ○



○ ○ ○

2. Write as a percent. Tl

2. Write as a percent. Then write as a decimal.

a) 64 out of 100

b) $\frac{50}{100}$

c) 1 out of 100

d) $\frac{17}{100}$

.....

.....

.....

.....

3. Write each percent as a fraction with hundredths. Then write as a decimal.

a) 13%

b) 5%

c) 79%

d) 64%

4. Join each box to the correct amount.

50% of 20

10% of 180

100% of 14

14

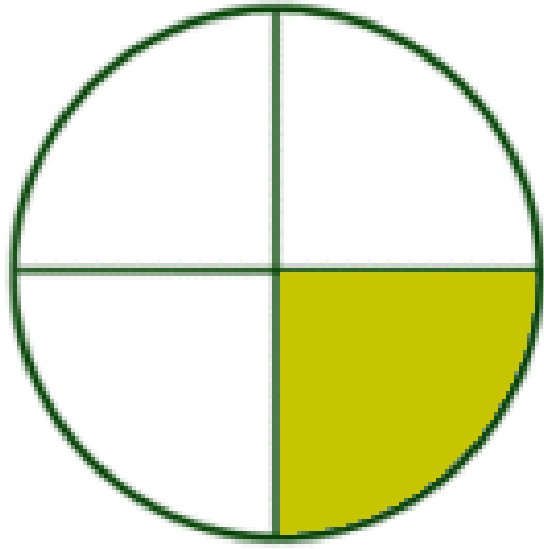
16

12

18

10

20



$\frac{1}{4}$

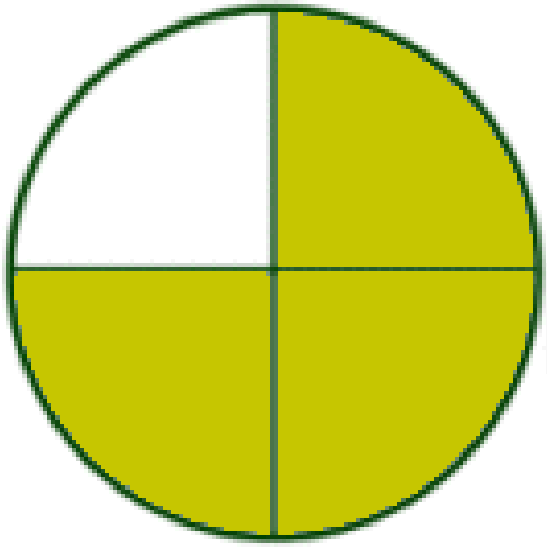
Ration means comparing part to part. For example for every green part, there are 3 white parts.

1 out of 4 squares is green.

Fraction

Decimal 0.25

Percentage 25 %



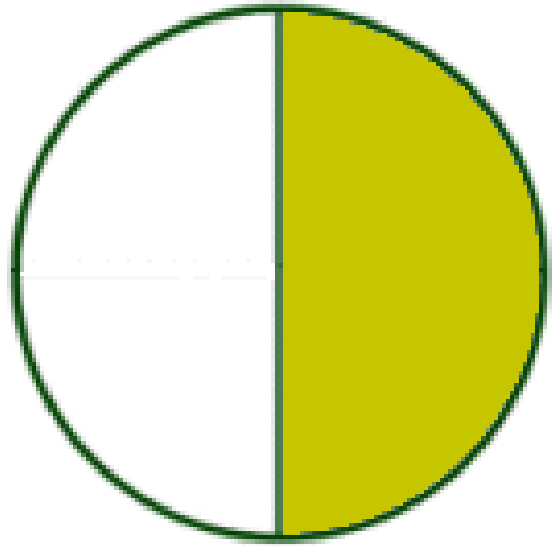
$\frac{3}{4}$

3 out of 4 squares are green.

Fraction

Decimal 0.75

Percentage 75 %



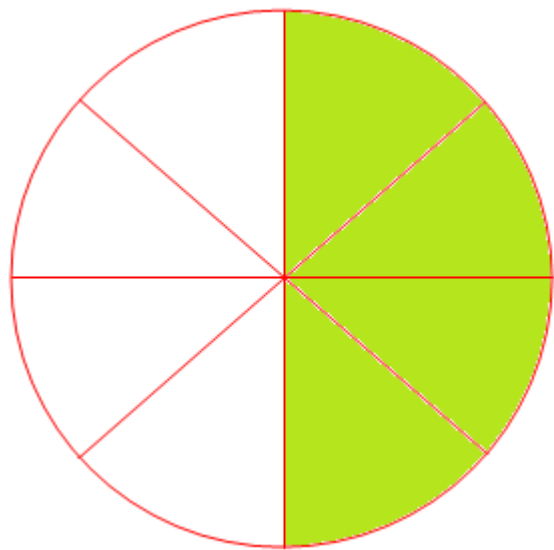
$\frac{1}{2}$

Ration: squares is green.

Fraction

Decimal 0.

Percentage %



Ratio :

Decimal

Percentage:

Fraction:

| Fraction | Decimal | Percentage |
|-----------------|---------|------------|
| $\frac{7}{100}$ | 0.07 | |
| | 0.35 | 35% |
| $\frac{3}{5}$ | | 60% |

1. Here is a repeating pattern of shapes.

1 in every 4 shapes is a circle.



Use fractions to complete these sentences.

..... of the shapes are squares.

..... of the shapes are circles.

2. Draw a repeating pattern to fit each description.

a) 1 in every 3 shapes is a square.

b) 1 in every 3 shapes is a triangle.

3. Draw a repeating pattern to fit each description.

a) $\frac{1}{3}$ of the shapes are squares.

b) $\frac{2}{3}$ of the shapes are triangles.

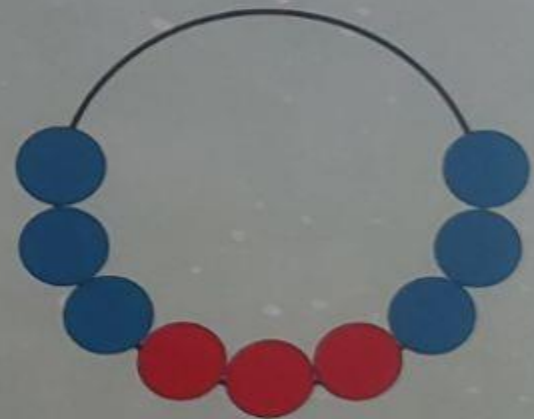
4. Look at the beads on the necklace.

a) What fraction of the beads are red?

b) What fraction of the beads are blue?

c) What is the ratio of red beads to blue beads?

.....



5. You are a jewellery designer.

Draw designs of jewellery that match these descriptions:

- a) a necklace where $\frac{1}{4}$ of the beads are yellow.
- b) a bracelet where for every 5 purple beads there are 2 pink beads.
- c) a pair of earrings where for every 2 green beads there are 3 blue beads.



6. Here is a recipe for vegetable soup.

The recipe is enough for 4 people. To make enough for 8 people, you need to double the amount of each ingredient, for example, you would need $300 \text{ g} \times 2 = 600 \text{ g}$ of potatoes.

Work out the quantities of these ingredients:

| | For 4 people | For 8 people |
|--------------|--------------|--------------|
| butter beans | | |
| stock | | |
| mushrooms | | |
| tomatoes | | |
| pumpkin | | |

Vegetable soup
(serves 4 people)
200 grams potatoes
1 large onion
650 grams butter beans
350 ml stock
2 carrots
250 grams mushrooms
400 grams chopped
tomatoes
850 grams pumpkin

Primary Mathematics

This product was originally \$100.
How much do you save if you buy
it on Black Friday?

