

Year 6



Mathematics

Reasoning - FDP

Converting fractions, decimals and percentages

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						

1

Write these numbers in order, starting with the smallest.

$\frac{3}{5}$

0.3

$\frac{1}{2}$

40%

smallest

1 mark

2

Match each fraction to the corresponding decimal.

$\frac{4}{5}$

0.2

$\frac{1}{5}$

0.8

$\frac{2}{50}$

0.4

$\frac{2}{5}$

0.04

2 marks

3

Write a number in the box to make this statement correct.

$\frac{3}{4} > \boxed{} \% > \boxed{0.6}$

1 mark

4

Write these numbers in order, starting with the largest.

$\frac{1}{4}$

0.43

0.9

12%

largest

1 mark

5

Circle the fractions that **equal to** 0.8.

$\frac{1}{8}$

$\frac{8}{10}$

$\frac{8}{100}$

$\frac{4}{5}$

$\frac{20}{25}$

1 mark

6

Tick the **three** numbers that are equivalent to $\frac{2}{5}$.0.25 40% $\frac{1}{4}$ 0.4 $\frac{40}{100}$

1 mark

7

Use the symbols $<$, $>$ or $=$ to make these statements correct.

$$\frac{4}{5} \quad \square \quad 0.8$$

$$70\% \quad \square \quad \frac{7}{100}$$

1 mark

8

Match each decimal to its equivalent fraction.

0.75

0.2

0.08

0.25

0.8

 $\frac{1}{5}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{4}{5}$ $\frac{8}{100}$

2 marks

9

In each box, circle the number that is **greater**.

0.75

 $\frac{4}{5}$ $\frac{3}{4}$

0.25

0.05

 $\frac{5}{10}$ $\frac{3}{5}$

0.3

0.6

 $\frac{2}{3}$

2 marks

10

Shen says,

“0.4 Is greater than $\frac{4}{5}$.”

Do you agree with Shen? Circle Yes or No.

Yes / No

Explain your answer.

1 mark

11

Match each fraction to its equivalent percentage.

$$\frac{1}{5}$$

$$\frac{5}{100}$$

$$\frac{1}{2}$$

$$\frac{1}{50}$$

$$0.02$$

$$0.5$$

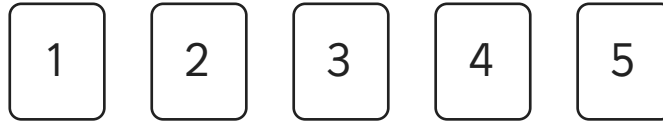
$$0.2$$

$$0.05$$

2 marks

12

Here are five digit cards.



Use two cards to make a fraction **equivalent to 20%**.

$$\frac{\square}{\square}$$

Use two cards to make a fraction **equivalent to 0.75**.

$$\frac{\square}{\square}$$

1 mark

13

Tick the **two** numbers that are **equal to 0.75**.

75%

7%

$\frac{5}{7}$

0.7

$\frac{3}{4}$

1 mark

14

Match each percentage to its equivalent decimal.

25%

20%

2%

5%

50%

0.2

0.02

0.05

0.5

0.25



2 marks

15

Inaya paints 3 out of her 4 bedroom walls.

Ben paints 70% of his room.

Who has a higher proportion of painted walls?

Inaya / Ben

Explain your answer.



1 mark

16

Use the symbols $<$, $>$ or $=$ to make these statements correct.

$$\frac{4}{10} \quad \square \quad 0.04$$

$$15\% \quad \square \quad \frac{1}{5}$$

$$0.31 \quad \square \quad 31\%$$

1 mark

17

Write these numbers in order, starting with the smallest.

$$\frac{3}{10}$$

0.34

$$\frac{1}{4}$$

20%

smallest

1 mark

18

Tick the **two** numbers that are **equal** to $\frac{3}{5}$.

$$\frac{1}{3} \quad \square$$

$$0.3 \quad \square$$

$$\frac{6}{10} \quad \square$$

$$0.6 \quad \square$$

1 mark

19

Use the symbols $<$, $>$ or $=$ to make these statements correct.

$$\frac{17}{100} \quad \square \quad 0.17$$

$$0.23 \quad \square \quad \frac{23}{1000}$$

$$0.12 \quad \square \quad 21\%$$

1 mark

20

This table shows the favourite flowers of children in Year 6.

Flower	No. of children
Rose	16
Daffodil	9
Sunflower	15
Daisy	10

Tick the statements that are correct.

3% of children like sunflowers best.

$\frac{1}{5}$ of children like daisies best.

As a decimal, the proportion of children who prefer roses is 0.32

18% of children like daffodils best.

1 mark