Independent Recap

Fractions, Decimals and Percentages

Year 6

Arithmetic

1. 98,578 – 36,252

2. 4,229 x 37

3. $\dfrac{2}{5}$ + $\dfrac{1}{4}$

4. 55% of 400

Practice: Order Fractions, Decimals and Percentages

5. Recap: Explain why, when ordering or comparing fractions, decimals and percentages, it is easier to convert each number to the same form first.

6. Use >, < or = to complete the statements.

0.5 ☐ $\dfrac{5}{10}$ ☐ 55%

7. Use >, < or = to complete the statements.

36% ☐ $\dfrac{19}{50}$ ☐ 0.19

8. Use >, < or = to complete the statements.

$\dfrac{3}{5}$ ☐ 59% ☐ 0.6

9. Put these in ascending order.

45% $\dfrac{2}{5}$ 0.3   52%

10. Explain how **you** order and compare fractions, decimals and percentages. Do you, for example, convert all numbers to fractions first? Explain your answer.

11. Put these in descending order.

$\dfrac{3}{4}$ 65%   0.6 $\dfrac{4}{5}$

12. Which of these is the second largest?

0.7 $\dfrac{1}{2}$ 34%   0.82 $\dfrac{12}{25}$

13. Gloria and Cem eating grapes. Gloria eats 34% of her grapes. Cem eats 0.5 of his grapes. Gloria says she's eaten more as 34 is larger than 5. Is Gloria correct? Explain.

Challenge

14. Give a peculiar and obvious to complete the number sentence using one fraction, one decimal and one percentage.

☐ > ☐ = ☐

💬 **You might want to talk to an adult**

🔍 **Spot the mistake**

Answers

Q no.	Question	Answer
1	98,578 – 36,252	62,326
2	4,229 x 37	156,473
3	$\frac{2}{5} + \frac{1}{4}$	$\frac{13}{20}$
4	55% of 400	220
5	Explain why when ordering or comparing fractions, decimals and percentages it is easier to convert each number to the same form first.	It is easier to convert all numbers to the same form so there is no confusion when comparing them. When, for example, comparing $\frac{4}{5}$ and and 70%, there is a possibility for confusion as it is not easy to visualise $\frac{4}{5}$ of an object compared to 70%. If both were percentages or fractions, it becomes easier to compare.
6	Compare 0.5 $\frac{5}{10}$ 55%	=, <
7	Compare 36% $\frac{19}{50}$ 0.19	<, >
8	Compare $\frac{3}{5}$ 59% 0.6	>, <
9	Ascending order 45% $\frac{2}{5}$ 0.3 52%	0.3, $\frac{2}{5}$, 45%, 52%
10	Explain how you order and compare fractions, decimals and percentages.	Answers will vary. This question is designed to encourage pupils to consider their process when ordering and comparing fractions.
11	Descending order $\frac{3}{4}$ 65% 0.6 $\frac{4}{5}$	$\frac{4}{5}$, $\frac{3}{4}$, 65%, 0.6
12	Which of these is the second largest?	0.7
13	Is Gloria correct? Explain.	Gloria is incorrect. She has not accurately compared the total value of the numbers. Gloria should convert both numbers to percentages or decimals, then compare them. 34% = 0.34 and 0.5 = 50%. Cem has eaten more grapes.
14	Give a peculiar and obvious to complete the number sentence using one fraction, one decimal and one percentage.	Answers will vary to this question. Accept answers that satisfy the number sentence. Example of obvious example: $\frac{90}{100}$ > 30% = 0.3 Example of peculiar example (a fraction that does not have a denominator of 100: $\frac{7}{8}$ > 4% = 0.04