

Independent Recap

Fractions, Decimals and
Percentages

Year 6

Arithmetic

1. $475,525 + 526,007$

2. $5,070 \div 65$

3. $\frac{7}{9} - \frac{2}{3}$

4. 13% of 570

Practice: Percentages of Amounts

5. Recap: Explain how to find a percentage of an amount.



For example, 15% of 50

6. If $50\% = \frac{1}{2}$, work out these:

- a. 50% of 240 b. 50% of 19 c. 50% of 7

7. If $25\% = \frac{1}{4}$, work out these:

- a. 25% of 36 b. 25% of 6 c. 75% of 12

8. If $20\% = \frac{1}{5}$, work out these:

- a. 20% of 35 b. 40% of 80 c. 60% of 700

9. If $10\% = \frac{1}{10}$, work out these:

- a. 10% of 9 b. 30% of 70 c. 90% of 120

10. Describe at least two ways of finding 75% of an amount.



11. If $5\% = \frac{1}{20}$, work out these:

- a. 5% of 80 b. 35% of 40 c. 65% of 200

12. Work out these:

- a. 26% of 420 b. 72% of 810 c. 91% of 370

13. Harvey tries to find 65% of 20. This is his method: Find 10% (0.2), then add 50% (1), then add 5% (0.1)



Explain his mistake.

Challenge

14. A cereal box normally weighs 250g.

The box says "30% extra".

How many grams does the larger box weigh?

How many grams more is this compared to the normal box?



You might want to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	$475,525 + 526,007$	1,001,532
2	$5,070 \div 65$	78
3	$\frac{7}{9} - \frac{2}{3}$	$\frac{1}{9}$
4	13% of 570	74.1
5	Explain how to find a percentage of an amount.	There are several ways to find a percentage of an amount. Some pupils will find 10% or 1% or 50% and use these facts to find other percentages. Others will prefer to find the equivalent fraction to percentage then find the fraction of the amount.
6	50% of 240, 50% of 19, 50% of 7	a. 120, b. 9.5, c. 3.5
7	25% of 36, 25% of 6, 75% of 12	a. 9, b. 1.5, c. 9
8	20% of 35, 40% of 80, 60% of 700	a. 7, b. 32, c. 420
9	10% of 9, 30% of 70, 90% of 120	a. 0.9, b. 21, c. 108
10	Describe at least two ways of finding 75% of an amount.	Pupils' answers will vary. Some will find 10% and use this to find 70% and 5%. Some will find 50%, using this to find 25% and add them together. Some will find 50% then 25% and subtract 25% from the total. Accept any answers that would equate to 75% of an amount.
11	5% of 80, 35% of 40, 65% of 200	a. 4, b. 14, c. 130
12	26% of 420, 72% of 810, 91% of 370	a. 109.2, b. 583.2, c. 336.7
13	Explain Harvey's mistake.	Harvey did not find 10% in his first calculation, instead he found 1%. As he has then used this incorrect calculation to find 50% and 5%, the rest of his answer is wrong. The answer should be 13.
14	How many grams does the larger box weigh? How many grams more is this compared to the normal box?	The larger box weighs 325g. This is 75g more.