Multiple choice questions - Decimals and percentages

Year: Year 7 · 10

Question 1 What is 0.07 as a percentage?

- ◯ **A.** 7%
- ◯ **B.** 70%
- ◯ **C.** 0.7%
- ◯ **D.** 0.07%

Question 2 What is $\frac{3}{20}$ as a percentage?

- ◯ **A.** 3%
- ◯ **B.** 15%
- ◯ **C.** 20%
- ◯ **D.** 30%

Question 3 What is 20% of 85?

- ◯ **A.** 20
- ◯ **B.** 8.5
- ◯ **C.** 17
- ◯ **D.** 1.7

Question 4 Write 0.45 as a fraction in its simplest form.

- ◯ **A.** $\frac{45}{10}$
- ◯ **B.** $\frac{4}{5}$
- ◯ **C.** $\frac{9}{10}$
- ◯ **D.** $\frac{9}{20}$

Question 5 Which is the largest?

- ◯ **A.** $\frac{3}{5}$
- ◯ **B.** 55%
- ◯ **C.** 0.56
- ◯ **D.** $\frac{1}{2}$

Question 6 Increase 60 by 15%.

- ◯ **A.** 9
- ◯ **B.** 69
- ◯ **C.** 75
- ◯ **D.** 51

Question 7 Decrease £90 by 10%.

- ◯ **A.** £9
- ◯ **B.** £99
- ◯ **C.** £81
- ◯ **D.** £80

Question 8 What percentage is 18 out of 24?

- ◯ **A.** 18%
- ◯ **B.** 80%
- ◯ **C.** 72%
- ◯ **D.** 75%

Question 9 Work out 0.6×0.2.

- ◯ **A.** 0.12
- ◯ **B.** 1.2
- ◯ **C.** 0.012
- ◯ **D.** 0.8

Question 10 Work out $3.2 \div 0.4$.

- ◯ **A.** 0.8
- ◯ **B.** 8
- ◯ **C.** 80
- ◯ **D.** 12.8

Answer grid - Decimals and percentages

Year: Year 7

Question	Answer	Explanation
1	**A**	Multiply by 100: 0.07 x 100 = 7.
2	**B**	Multiply top and bottom by 5: 15/100.
3	**C**	10% is 8.5, so 20% is 17.
4	**D**	45/100 simplifies by dividing by 5 to give 9/20.
5	**A**	3/5 is 60%, which is greater than 55%, 56% and 50%.
6	**B**	10% = 6, 5% = 3, so 15% = 9. 60 + 9 = 69.
7	**C**	10% of 90 is 9. 90 - 9 = 81.
8	**D**	18/24 = 3/4 = 75%.
9	**A**	6 x 2 = 12 with two decimal places: 0.12.
10	**B**	Multiply both by 10: 32 / 4 = 8.