Multiple choice questions - Decimals and percentages

Year: Year 6 · 10

Question 1 What is the value of the 5 in 3.254?

- ◯ **A.** 5
- ◯ **B.** 0.5
- ◯ **C.** 0.05
- ◯ **D.** 0.005

Question 2 What is 0.35 as a fraction in its simplest form?

- ◯ **A.** $\frac{35}{10}$
- ◯ **B.** $\frac{7}{20}$
- ◯ **C.** $\frac{3}{5}$
- ◯ **D.** $\frac{35}{1000}$

Question 3 What is 15% of 60?

- ◯ **A.** 6
- ◯ **B.** 9
- ◯ **C.** 12
- ◯ **D.** 15

Question 4 Which is the largest?

- ◯ **A.** 0.4
- ◯ **B.** 0.39
- ◯ **C.** 0.399
- ◯ **D.** 0.41

Question 5 What is 4.5 x 100?

- ◯ **A.** 45
- ◯ **B.** 4 500
- ◯ **C.** 450
- ◯ **D.** 0.045

Question 6 What is $\frac{3}{5}$ as a percentage?

- ◯ **A.** 35%
- ◯ **B.** 53%
- ◯ **C.** 60%

◯ **D.** 30%

Question 7 What is 6.4 ÷ 8?

◯ **A.** 0.8
◯ **B.** 8
◯ **C.** 0.08
◯ **D.** 0.5

Question 8 What is 2.5 x 4?

◯ **A.** 8
◯ **B.** 10
◯ **C.** 9
◯ **D.** 0.8

Question 9 What is 20% of £50?

◯ **A.** £5
◯ **B.** £10
◯ **C.** £20
◯ **D.** £25

Question 10 What is 3.649 rounded to 2 decimal places?

◯ **A.** 3.64
◯ **B.** 3.65
◯ **C.** 3.6
◯ **D.** 3.7

Answer grid - Decimals and percentages

Year: Year 6

Question	Answer	Explanation
1	**C**	The digits after the point: 2 tenths, 5 hundredths, 4 thousandths.
2	**B**	0.35 = 35/100. Divide by 5: 7/20.
3	**B**	10% = 6, 5% = 3, so 15% = 9.
4	**D**	In hundredths: 40, 39, 39.9, 41. So 0.41 is biggest.
5	**C**	Each digit moves two places left: 450.
6	**C**	3/5 = 6/10 = 60/100 = 60%.
7	**A**	8 x 0.8 = 6.4.
8	**B**	2 x 4 = 8, 0.5 x 4 = 2, total 10.
9	**B**	10% of £50 = £5, so 20% = £10.
10	**B**	The third decimal digit is 9, so round up: 3.65.