

Calculator Questions

Number Toolkit

Types of Numbers / Irrational Numbers / Negative Numbers / Mathematical Symbols / Order of Operations (BIDMAS/BODMAS) / Addition & Subtraction / Multiplication & Division / Operations with Decimals

Easy (3 questions)	/4
Medium (4 questions)	/9
Hard (3 questions)	/3
Total Marks	/16

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Easy Questions

1 Write down the integer values of x that satisfy the inequality $-2 \leq x < 2$.

(2 marks)

2 Write two hundred thousand and seventeen in figures.

(1 mark)

3 Write 15 060 in words.

(1 mark)

Medium Questions

1 3.56 5 $\sqrt{196}$ 8 $\sqrt{7}$ 12

From the list, write down a number that is

i) a multiple of 3,

[1]

ii) a cube number,

[1]

iii) a prime number,

[1]

iv) an irrational number.

[1]

(4 marks)

2 Write down a prime number between 50 and 60.

(1 mark)

3 Write down a prime number between 20 and 30.

(1 mark)

4 (a) Jimmy works at a shop for 26 hours in a week.

He is paid £13.50 an hour.

Work out the amount that Jimmy is paid in a week.

(1 mark)

(b) Jimmy is working an **extra** 10 hours during a holiday period.

For each extra hour, his employer pays him an extra 50% as an addition to his usual hourly rate.

How much has he paid in total for this week?

(2 marks)

Hard Questions

- 1 1, 2, 3, 5 and 7 are all common factors of two numbers.
Write down the digit that the two numbers must end in.

(1 mark)

- 2 Insert one pair of brackets to make this calculation correct.

$$7 - 5 - 1 + 4 = 7$$

(1 mark)

- 3 Explain why $\sqrt{3}$ is irrational.

(1 mark)