FOUNDATION & HIGHER

SAME AT BOTH TIERS

Name ..... **Class** .....

N1: Ordering numbers

Order integers, decimals and fractions; use =, ≠, <, >, ⩽, ⩾

20 marks · 25 minutes · Non-calculator

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1) Write these numbers in order, smallest first: $-3,\ 5,\ -7,\ 0,\ 2$

.....

[Question 1: 1 marks]

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2) Write these decimals in order, smallest first: $0.305,\ 0.35,\ 0.3,\ 0.053$

.....

[Question 2: 1 marks]

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3) Write these fractions in order, smallest first: $\frac{2}{3},\ \frac{3}{5},\ \frac{7}{10},\ \frac{5}{8}$

.....

[Question 3: 2 marks]

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4) Write $<$, $>$ or = in each gap.

(a) -4 ____ -9

(1)

(b) 0.7 ____ $\frac{7}{10}$

(1)

(c) $\frac{3}{8}$ ____ 0.4

(1)

(d) -2.5 ____ -2.05

(1)

[Question 4: 4 marks]

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5) Write in order, smallest first: $0.6,\ \frac{5}{8},\ 62\%,\ 0.65$

.....

[Question 5: 2 marks]

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6) At midnight the temperature in Oslo was $-8\,°C$ and in Cairo it was $19\,°C$.

(a) Find the difference between the two temperatures.

..... °C

(1)

(b) By 6 am the temperature in Oslo had risen by $6\,°C$. What was it then?

..... °C

(1)

[Question 6: 2 marks]

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7) Write down a number between -1.4 and -1.3

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[Question 7: 1 marks]

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8) Write in order, smallest first: $-\frac{1}{2}$, -0.6, $-\frac{2}{5}$, -0.45

.....

[Question 8: 2 marks]

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9) Is each statement true or false?

(a) $0.25 \neq \frac{1}{4}$

.....

(1)

(b) $-3 \leqslant -3$

.....

(1)

(c) $\frac{2}{3} \geqslant 0.67$

.....

(1)

[Question 9: 3 marks]

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10) x is an integer and $-2 < x \leqslant 3$. List all the possible values of x.

.....

[Question 10: 2 marks]

End of paper – 20 marks in total

Answers and brief mark scheme

Q	Answer	Method / notes
1	$-7, -3, 0, 2, 5$	B1.
2	0.053, 0.3, 0.305, 0.35	B1.
3	$\frac{3}{5}, \frac{5}{8}, \frac{2}{3}, \frac{7}{10}$	Convert to decimals or a common denominator (M1); A1.
4	(a) $>$ (b) = (c) $<$ (d) $<$	B1 each.
5	0.6, 62%, $\frac{5}{8}$, 0.65	Convert to the same form (M1); A1.
6	(a) 27 (b) -2	B1 each.
7	e.g. -1.35	B1 any value strictly between.
8	$-0.6, -\frac{1}{2}, -0.45, -\frac{2}{5}$	Decimals -0.5, -0.4 (M1); A1.
9	(a) false (b) true (c) false	B1 each.
10	$-1, 0, 1, 2, 3$	B2 (B1 for one error or omission).