Topic Test 1 (20 minutes)
Basic number (non-calculator) - Foundation

1   Write the following in order, smallest first.

   5   (2×3) $(16 \div 4)$ -7 $(-3 + 6)$

   [1 mark]

Answer _____

2   Work out

2 (a) $\dfrac{196 + 324}{4}$

   [1 mark]

Answer _____

2 (b) $\dfrac{267}{3} - 89$

   [1 mark]

Answer _____

2 (c) $\dfrac{738}{2 + 4}$

   [1 mark]

Answer _____

3 A tray holds 24 eggs.

How many eggs are in 8 full trays?

[1 mark]

Answer _____

4 In a school, tutor groups have a maximum of 24 students.
There are 185 students in year 7

Work out the smallest possible number of year 7 tutor groups.
You **must** show your working.

[2 marks]

Answer _____

5 Write down all the integer values of x, where $-2 \le x < 4$

[2 marks]

Answer _____

6 The temperature falls from 6°C by 10 degrees.

Work out the new temperature.

[1 mark]

Answer _____ °C

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7 A company has 19 workers.
Each worker is paid £285 per week.

7 (a) Use estimation to work out the approximate total weekly pay-bill.

[2 marks]

Answer _____

7 (b) Is your answer to (a) an over estimate or an under estimate?
Give a reason for your answer.

[1 mark]

Answer _____

Reason _____

8 Work out

8 (a) 5 + 4 × 3

[1 mark]

Answer _____

8 (b) 5 × 7 − 4

[1 mark]

Answer _____

9 Work out

9 (a) 8 − 12 + 9

[1 mark]

Answer _____

9 (b) −6 × −5

[1 mark]

Answer _____

9 (c) +36 ÷ −9

[1 mark]

Answer _____

10 (a) Circle the calculation that does **not** work out   29 × 32

[1 mark]

30 × 32 − 32   30 × 29 + 2 × 29

20 × 30 + 2 × 9   20 × 32 + 9 × 32

10 (b) 21 × 22 = 20 × 22 + 22

Work out   21 × 22

[1 mark]

_____

_____

Answer _____