Foundation GCSE – Essential Skills 1

Mark:

Name:

Underline any words you don’t understand

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| --- | --- | --- |
| 1 | Find of £25 | £10 |
| 2 | Calculate 30% of 320kg | 96kg |
| 3 | Write down the value of | 5 |
| 4 | Simplify  **3b x 4c** | 12bc |
| 5 | What is the reciprocal of 3 | 1/3 |
| 6 | Work out the angle x | 118 |
| 7 | What is 0.2m in cm? | 20cm |
| 8 | Calculate **-3 x -5** | 15 |
| 9 | If I buy 3 pens costing £2.75 each, how much change do I get from £10? | £1.75 |
| 10 | Expand the following  **5(3a + 4)** | 15a + 20 |
| 11 | Simplify **p3 x p5** | P8 |
| 12 | Find the area of the shape below | 24cm2 |
| 13 | What is the next 3 numbers in the sequence below?  **2, 8, 14, 20…** | 26, 32, 38 |
| 14 | A bell rings every 8 minutes and another every 10 minutes. They both ring together at midnight. What time will they both ring at the same time again? | 00:40 |
| 15 | Write down the name of this 3D shape | Cylinder |
| 16 | Simplify  **7a + 3b – 5a + 2b** | 2a + 5b |
| 17 | Find the median of the following numbers  **3 7 2 5 9 11 3** | 5 |
| 18 | A bus leaves Hampton at 0853 and arrives at Queensgate at 0911.  How long does the bus take? | 18 minutes |
| 19 | Work out the value of **23 + 32** | 17 |
| 20 | What is the nth term of the following sequence?  **6, 10, 14, 18, 22** | 4n + 2 |
| 21 | Write down four factors of 18 | 1, 2, 3, 6, 9, 18 (any 4) |
| 22 | Find the mean of the following numbers  **9 1 1 6 7 13 2 1** | 5 |
| 23 | Divide £35 in the ratio 3:4 | £15, £20 |
| 24 | What is the probability of getting a blue on the spinner below? | 0.5 |
| 25 | Solve the equation **2g + 5 = 18** | g = 6.5 |
| 26 | Find 60 as a product of prime factors | 22 x 3 x 5 = 60 |
| 27 | Factorise the following expression  **18b + 15** | 3(6b + 5) |
| 28 | Make n the subject of the formula |  |
| 29\* | Find the area of the circle | 50.3cm2 |
| 30\* | Find the length of the missing side of the triangle | 15cm |