Foundation GCSE – Essential Skills 2

Mark:

Name:

Underline any words you don’t understand

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| --- | --- | --- |
| 1 | Find of 40g | 24g |
| 2 | Calculate 15% of 80kg | 12kg |
| 3 | Write down the value of | 8 |
| 4 | Simplify  **5g x 3h** | 15gh |
| 5 | What is the reciprocal of 4 | 0.25 |
| 6 | Work out the angle ACB | 900 |
| 7 | What is 1.3km in m? | 1300m |
| 8 | Calculate **12 x -2** | -24 |
| 9 | If I buy 6 badges costing 67p each, how much change do I get from £5? | 98p |
| 10 | Expand the following  **4(2b + 7)** | 8b+28 |
| 11 | Simplify **m6 ÷ m2** | m4 |
| 12 | Find the area of the shape below | 64cm2 |
| 13 | What is the next 3 numbers in the sequence below?  **6, 13, 20, 27…** | 34, 41, 48 |
| 14 | A bell rings every 5 minutes and another every 7 minutes. They both ring together at 2am. What time will they both ring at the same time again? | 02:35 |
| 15 | Write down the name of this 3D shape | Cuboid |
| 16 | Simplify  **8p + 6q – 2p + 8q** | 6p + 14q |
| 17 | Find the median of the following numbers  **8 7 3 9 4 16** | 7.5 |
| 18 | A bus leaves Yaxley at 16 36 and takes 47 minutes to get to Dogsthorpe.  What time does it arrive? | 17 23 |
| 19 | Work out the value of **52 + 33** | 52 |
| 20 | What is the nth term of the following sequence?  **5, 8, 11, 14, 17** | 3n + 2 |
| 21 | Write down four factors of 50 | 1, 2, 5, 10, 25, 50 |
| 22 | Find the mode of the following numbers  **9 1 1 6 7 13 2 1** | 5 |
| 23 | Divide £50 in the ratio 3:7 | £15, £35 |
| 24 | What is the probability of getting a green on the spinner below? | 0 |
| 25 | Solve the equation **6y - 8 = 1** | y = 1.5 |
| 26 | Find 72 as a product of prime factors | 23 x 32 |
| 27 | Factorise the following expression  **6a2 + 18a** | 6a(a+3) |
| 28 | Make t the subject of the formula |  |
| 29\* | Find the area of the circle | 26.4cm2 |
| 30\* | Find the length of the missing side of the triangle | 12cm |