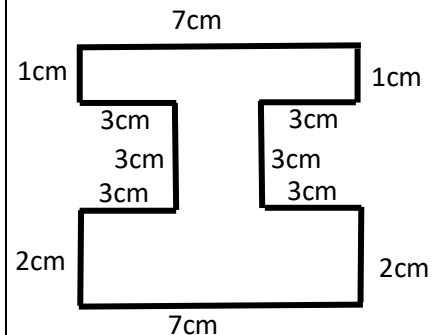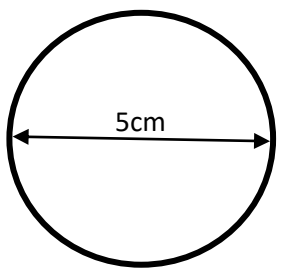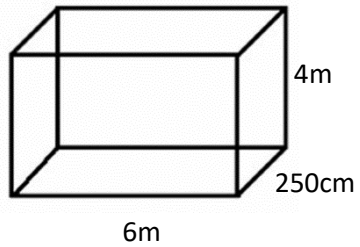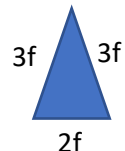YEAR 10 HOMEWORK – 2S

Complete the questions in each box. Make sure that you show all of your workings

**1. Find the perimeter:**

7cm

1cm                    1cm

3cm        3cm

3cm        3cm

3cm        3cm

2cm                    2cm

7cm

**2. Find the Area:**

5cm

**3. Find the volume:**

4m

250cm

6m

**4. Simplify:**

**3p + 9k – 2k**

**5. Simplify 6X ÷ 3**

**6. Simplify 8X ÷ 2X**

**7. Write an expression for the perimeter in its simplest form**

3f        3f

2f

**8. Expand the brackets and simplify:**

4(2f + 5)

**9. Fill in the blank in the bracket:**
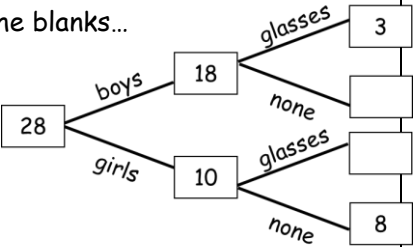
4p + 16 = 4(p + ____ )

**10. Find the value of P when x = 2 and y = 5:**

P = 4x - y

| 11. Find the probability of a purple ball being pulled out if these are the probabilities of the other colours | 12. In a sample of 80 people, it was found that they were all born in England, Scotland or Wales. Complete the 2-way table: |
|---|---|

**Question 11 table:**

| | |
|---|---|
| Blue 0.2 | Green 0.2 |
| Red 0.1 | Purple = |

**Question 12 table:**

| | England | Scotland | Wales | Total |
|---|---|---|---|---|
| Female | | | 4 | 42 |
| Male | | 8 | | |
| Total | 50 | 20 | | 80 |

| 17. Write the following numbers in ascending order.<br>1.5, 1.24, 2.06, 1.39, 1.22 | 18. Round 485 to the nearest 10 |
|---|---|

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13. There are 28 pupils in a class. 18 are boys and 10 are girls. 3 boys wear glasses. 8 girls do not wear glasses. Fill in the blanks…
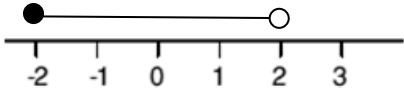


14. In a card game Jayne wins 4 out of 8 games. Estimate how many games she would win out of 32.

19. Write $\dfrac{12}{60}$ in its simplest form

20. Write the fractions in ascending order:
$$\frac{3}{27} \quad \frac{1}{3} \quad \frac{1}{9} \quad \frac{2}{9} \quad \frac{5}{9}$$

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15. ξ = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
- A = {multiples of 5}
- B = {even numbers}
- Draw a Venn diagram for this information.

16. Write the inequality shown on the number line



| WWW | |
|---|---|
| EBI 1 | |
| EBI 2 | |