Percentage Worksheet

Task One: Finding Percentages of Amounts

Use the "10, 5, 1, 2" method as seen in the video tutorial to complete the table below.

	10%	5%	1%	2%
2400				
1200				
4200				

Task Two: Using the Table

Use the table from Task One to calculate the following percentages. Show your working.

1. 15% of 2400 is: _____

2. 7% of 1200 is: _____
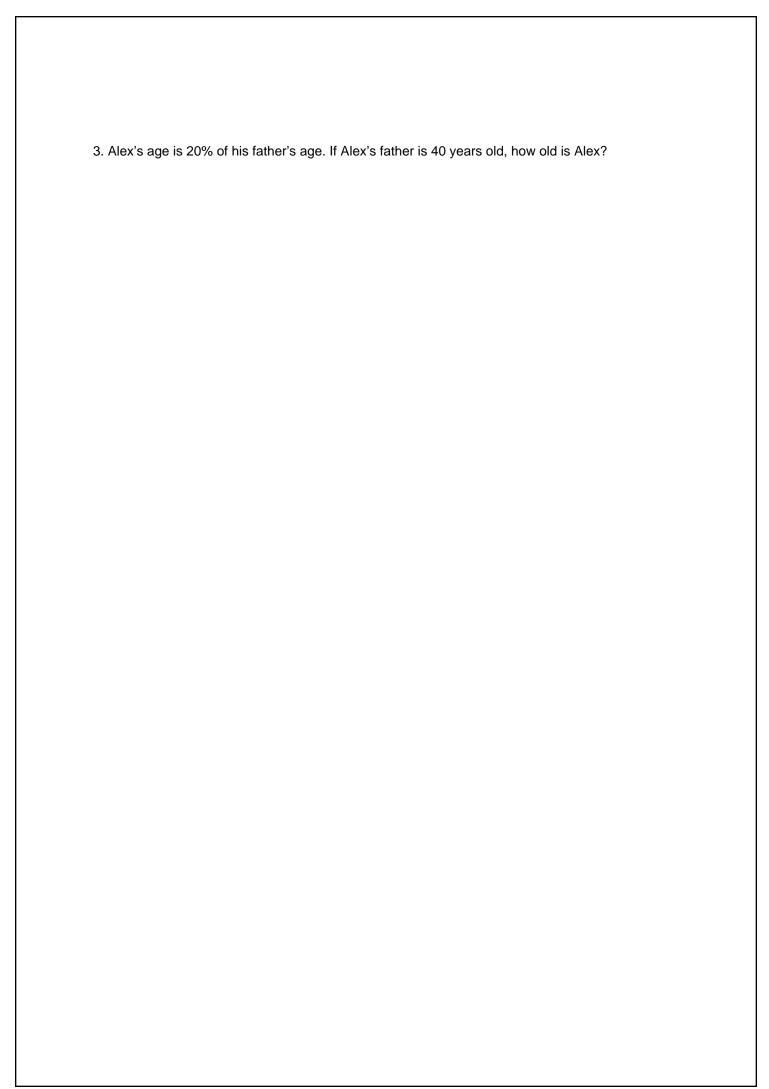
3. 30% of 4200 is: _____

4. 3% of 2400 is: _____

5. 70% of 1200 is: _____

6. 45% of 4200 is: _____

Task Three: Word Problems

1. 340 students attend Peartree Primary School. 20% of the students have packed lunch. Work out the exact number of students who have a packed lunch.

2. Oliver has a jar of sweets. There are 80 in total. 35% of the sweets are wrapped in red foil. 25% of the sweets are wrapped in blue foil. 40% of the sweets are wrapped in silver foil. Calculate the combined number of sweets with blue or silver foil.

3. Alex's age is 20% of his father's age. If Alex's father is 40 years old, how old is Alex?

Answer & Explanation Sheet – Percentages Worksheet

Task One – The 10, 5, 1, 2 Method

	10%	5%	1%	2%
2400	240	120	24	48
1200	120	60	12	24
4200	420	210	42	84

■ To work these out, remember:
- **10%** means divide by 10.
- **5%** is half of 10%.
- **1%** is divide by 100.
- **2%** is double 1%.

Task Two – Using the Table

15% of 2400
10% = 240, 5% = 120 → 240 + 120 = **360**

7% of 1200
5% = 60, 2% = 24 → 60 + 24 = **84**

30% of 4200
10% = 420 → 420 × 3 = **1260**

3% of 2400
1% = 24 → 24 × 3 = **72**

70% of 1200
10% = 120 → 120 × 7 = **840**

45% of 4200
10% = 420 × 4 = 1680, + 5% (210) = **1890**

Task Three – Word Problems

340 students at Peartree Primary. 20% packed lunch.
10% = 34 → 20% = 68 → **68 students have packed lunch.**

Oliver's sweets: 80 total. 25% blue, 40% silver.
25% = 20, 40% = 32 → 20 + 32 = **52 sweets**

Alex's age is 20% of father's (40 years).
10% of 40 = 4 → 20% = 8 → **Alex is 8 years old.**