

Solve the following questions

1. A teacher has 7 packs of 12 pencils and 2 packs of 54 pencils. The teacher shares these pencils out into 8 pencils pots. How many pencils will be in each pot?

2. A child has a collection of football cards. They are to be kept in a folder with 9 cards on each page. The child has 28 complete sets of 8 cards, and another 61 cards. How many pages will be needed to store the cards?

3. A ten pin bowling alley buys 6 packs of new pins, with each pack containing 8 pins. All the pins in the alley are collected from the lanes and counted. Of the 267 pins, 29 are thrown away due to damage. The remaining pins and new pins are combined and shared equally among the 8 lanes, with any remaining pins kept as spares. How many pins will be allocated to each lane?

4. At a dancing school, there are 2 classes. The younger class has 65 pupils. The older class has 47 pupils. For a dance, there will be eight equal groups of dancers. How many dancers will there be in each group?

5. Daffodils are arranged into bunches of 6 flowers. A florist buys 9 crates, each with 150 flowers, from one supplier and 4 crates, each with 115 flowers from another. How many bunches of 6 daffodils can be made?

6. A local children's group has 3 fundraising events. The events raise £176, £81 and £309 each. After costs of £92 are deducted, the money is shared equally among 3 local children's groups. How much does each group receive?

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1. A teacher has 7 packs of 12 pencils and 2 packs of 54 pencils. The teacher shares these pencils out into 8 pencils pots. How many pencils will be in each pot?

$$7 \times 12 = 84$$

$$2 \times 54 = 108$$

$$108 + 84 = 192$$

$$192 \div 8 = 24$$

Each pot will have 24 pencils

2. A child has a collection of football cards. They are to be kept in a folder with 9 cards on each page. The child has 28 complete sets of 8 cards, and another 61 cards. How many pages will be needed to store the cards?

$$8 \times 28 = 224$$

$$224 + 61 = 285$$

$$285 \div 9 = 31 \text{ r } 4$$

He will need 32 pages.

3. A ten pin bowling alley buys 6 packs of new pins, with each pack containing 8 pins. All the pins in the alley are collected from the lanes and counted. Of the 267 pins, 29 are thrown away due to damage. The remaining pins and new pins are combined and shared equally among the 8 lanes, with any remaining pins kept as spares. How many pins will be allocated to each lane?

$$6 \times 8 = 48$$

$$267 - 29 = 238$$

$$238 + 48 = 286$$

$$286 \div 8 = 29 \text{ r } 6$$

Each lane will have 39 pins

4. At a dancing school, there are 2 classes. The younger class has 65 pupils. The older class has 47 pupils. For a dance, there will be eight equal groups of dancers. How many dancers will there be in each group?

$$65 + 47 = 112$$

$$112 \div 8 = 14$$

There will be 14 groups

5. Daffodils are arranged into bunches of 6 flowers. A florist buys 9 crates, each with 150 flowers, from one supplier and 4 crates, each with 115 flowers from another. How many bunches of 6 daffodils can be made?

$$9 \times 150 = 1350$$

$$4 \times 115 = 460$$

$$460 + 1350 = 1810$$

$$1810 \div 6 = 301 \text{ r } 4$$

301 bunches of daffodils can be made.

6. A local children's group has 3 fundraising events. The events raise £176, £81 and £309 each. After costs of £92 are deducted, the money is shared equally among 3 local children's groups. How much does each group receive?

$$176 + 81 + 309 = 566$$

$$566 - 92 = 474$$

$$474 \div 3 = 158$$

They will each receive £158