

Počítání s rozkladem.


$$36 : 2 = (20 : 2) + (16 : 2) = \underline{\underline{18}}$$

$20 + 16$


The diagram illustrates the division of 36 by 2 using the distributive property. The number 36 is decomposed into 20 and 16. Each part is then divided by 2: 20 divided by 2 equals 10, and 16 divided by 2 equals 8. These two results are added together to get the final quotient of 18. The final result 18 is underlined twice.

1. Vypočítej příklady podle vzoru. U každého příkladu počítej s rozkladem.


$$36 : 2 = (20 : 2) + (16 : 2) = 10 + 8 = 18$$




$$48 : 3 = (30 : 3) + (18 : 3) = 10 + 6 = 16$$




$$28 : 2 = (20 : 2) + (8 : 2) = 10 + 4 = 14$$




$$32 : 2 = (20 : 2) + (12 : 2) = 10 + 6 = 16$$



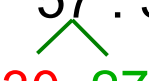
$$39 : 3 = (30 : 3) + (9 : 3) = 10 + 3 = 13$$



$$42 : 3 = (30 : 3) + (12 : 3) = 10 + 4 = 14$$



$$57 : 3 = (30 : 3) + (27 : 3) = 10 + 9 = 19$$



2. Vypočítej příklady i s rozkladem.

$$\begin{array}{r} 56 : 4 = \underline{(40 : 4) + (16 : 4) = 10 + 4 = 14} \\ \swarrow \searrow \\ \underline{40} \quad \underline{16} \end{array}$$

$$\begin{array}{r} 64 : 4 = \underline{(40 : 4) + (24 : 4) = 10 + 6 = 16} \\ \swarrow \searrow \\ \underline{40} \quad \underline{24} \end{array}$$

$$\begin{array}{r} 90 : 5 = \underline{(50 : 5) + (40 : 5) = 10 + 8 = 18} \\ \swarrow \searrow \\ \underline{50} \quad \underline{40} \end{array}$$

$$\begin{array}{r} 60 : 5 = \underline{(50 : 5) + (10 : 5) = 10 + 2 = 12} \\ \swarrow \searrow \\ \underline{50} \quad \underline{10} \end{array}$$

$$\begin{array}{r} 75 : 5 = \underline{(50 : 5) + (25 : 5) = 10 + 5 = 15} \\ \swarrow \searrow \\ \underline{50} \quad \underline{25} \end{array}$$

$$\begin{array}{r} 72 : 4 = \underline{(40 : 4) + (32 : 4) = 10 + 8 = 18} \\ \swarrow \searrow \\ \underline{40} \quad \underline{32} \end{array}$$

$$\begin{array}{r} 52 : 4 = \underline{(40 : 4) + (12 : 4) = 10 + 3 = 13} \\ \swarrow \searrow \\ \underline{40} \quad \underline{12} \end{array}$$

$$\begin{array}{r} 80 : 5 = \underline{(50 : 5) + (30 : 5) = 10 + 6 = 16} \\ \swarrow \searrow \\ \underline{50} \quad \underline{30} \end{array}$$

3. Počítej opět s rozkladem.

$$\begin{array}{c} 108 : 6 = \\ \swarrow \quad \searrow \end{array} \quad \frac{\quad}{(\textcolor{red}{60} : 6) + (\textcolor{green}{48} : 6) = 10 + 8 = 18}$$

$$\overline{\textcolor{red}{60}} \quad \overline{\textcolor{green}{48}}$$

$$\begin{array}{c} 96 : 6 = \\ \swarrow \quad \searrow \end{array} \quad \frac{\quad}{(\textcolor{red}{60} : 6) + (\textcolor{green}{36} : 6) = 10 + \textcolor{red}{6} = 16}$$

$$\overline{\textcolor{red}{60}} \quad \overline{\textcolor{green}{36}}$$

$$\begin{array}{c} 105 : 7 = \\ \swarrow \quad \searrow \end{array} \quad \frac{\quad}{(\textcolor{red}{70} : \textcolor{blue}{7}) + (\textcolor{green}{35} : \textcolor{blue}{7}) = 10 + 5 = 15}$$

$$\overline{\textcolor{red}{70}} \quad \overline{\textcolor{green}{35}}$$

$$\begin{array}{c} 98 : 7 = \\ \swarrow \quad \searrow \end{array} \quad \frac{\quad}{(\textcolor{red}{70} : \textcolor{blue}{7}) + (\textcolor{green}{28} : \textcolor{blue}{7}) = 10 + 4 = 14}$$

$$\overline{\textcolor{red}{70}} \quad \overline{\textcolor{green}{28}}$$

3. Počítej opět s rozkladem.

$$\begin{array}{l} 104 : 8 = \\ \swarrow \quad \searrow \end{array} \quad \frac{(\textcolor{red}{80} : 8) + (\textcolor{green}{24} : 8) = 10 + 3 = 13}{}$$

$$\overline{\textcolor{red}{80}} \quad \overline{\textcolor{green}{24}}$$

$$\begin{array}{l} 128 : 8 = \\ \swarrow \quad \searrow \end{array} \quad \frac{(\textcolor{red}{80} : 8) + (\textcolor{green}{48} : 8) = 10 + 6 = 16}{}$$

$$\overline{\textcolor{red}{80}} \quad \overline{\textcolor{green}{48}}$$

$$\begin{array}{l} 108 : 9 = \\ \swarrow \quad \searrow \end{array} \quad \frac{(\textcolor{red}{90} : 9) + (\textcolor{green}{18} : 9) = 10 + 2 = 12}{}$$

$$\overline{\textcolor{red}{90}} \quad \overline{\textcolor{green}{18}}$$

4. Počítej slovní úlohu

Dvě třídy se spojily na TV a šly na hřiště. Ve 3. B bylo 27 dětí a ve 4. B 24 dětí.

Kolik jich bylo celkem? Paní učitelka jim potom řekla, aby se rozdělily do skupin po třech. **Kolik skupinek vzniklo?**

zápis: _____

3. B27

4. B24

celkem?

výpočet: _____

$$27 + 24 = 51 \qquad 51 : 3 = (30 : 3) + (21 : 3) = 10 + 7 = 17$$

odpověď 1:

Celkem bylo na hřišti 51 dětí.

odpověď 2 :

Vzniklo 17 skupinek po třech dětech.