

Dividing by 6, 7, 8, and 9

1 We can find $4539 \div 7$ like this:

Share the thousands.
There are not enough.
Exchange for hundreds.

Share the hundreds
45 shared equally among 7 gives 6 each.
This leaves 3 hundreds.
Exchange for tens.

$$\begin{array}{r} 7 \overline{) 4539} \\ \underline{42} \\ 33 \\ \underline{28} \\ 53 \\ \underline{49} \\ 39 \\ \underline{35} \\ 4 \end{array}$$

Copy and complete: $7 \overline{) 4539}$

- 2 (a) $7707 \div 7$ (b) $3500 \div 7$ (c) $6370 \div 7$ (d) $4991 \div 7$ (e) $2143 \div 7$ (f) $6066 \div 6$ (g) $3600 \div 6$ (h) $4230 \div 6$ (i) $5472 \div 6$ (j) $2439 \div 6$
- 3 (a) $7 \overline{) 2800}$ (b) $7 \overline{) 3526}$ (c) $7 \overline{) 4219}$ (d) $7 \overline{) 1963}$ (e) $7 \overline{) 3156}$ (f) $7 \overline{) 7149}$ (g) $7 \overline{) 9665}$ (h) $7 \overline{) 5932}$ (i) $7 \overline{) 5151}$ (j) $7 \overline{) 9060}$
- 4 (a) $6 \overline{) 4800}$ (b) $6 \overline{) 1819}$ (c) $6 \overline{) 3009}$ (d) $6 \overline{) 1380}$ (e) $6 \overline{) 1146}$ (f) $6 \overline{) 9840}$ (g) $6 \overline{) 8583}$ (h) $6 \overline{) 1047}$ (i) $6 \overline{) 8081}$ (j) $6 \overline{) 7120}$

- 5 (a) How many grams are there in $4\frac{1}{2}$ kilograms?
(b) Flakes weighing $4\frac{1}{2}$ kilograms are poured in equal shares from a tub into 6 packets. What weight of flakes is in each packet?



- 6 (a) $8 \overline{) 8808}$ (b) $8 \overline{) 2400}$ (c) $8 \overline{) 4003}$ (d) $8 \overline{) 7296}$ (e) $8 \overline{) 8536}$ (f) $4329 \div 8$ (g) $9525 \div 8$ (h) $7321 \div 8$ (i) $1973 \div 8$ (j) $4660 \div 8$
- 7 (a) $9 \overline{) 9099}$ (b) $9 \overline{) 2700}$ (c) $9 \overline{) 9002}$ (d) $9 \overline{) 1899}$ (e) $9 \overline{) 5407}$ (f) $3879 \div 9$ (g) $4698 \div 9$ (h) $3247 \div 9$ (i) $8484 \div 9$ (j) $6205 \div 9$