

$$1) \begin{array}{r} 135.6 \\ 4 \overline{) 542.4} \\ \underline{310} \\ 103 \\ \underline{134} \\ 1344 \\ \underline{1344} \\ 0 \end{array}$$

$$2) \begin{array}{r} 517 \\ \times 26 \\ \hline 3102 \\ 10340 \\ \hline 13442 \end{array}$$

$$3) \begin{array}{r} 8r7 \\ 26 \overline{) 815} \\ \underline{-130} \\ 085 \\ \underline{-52} \\ 283 \\ \underline{-26} \\ 07 \end{array} \quad \begin{array}{l} \times 10 = 260 \\ \times 5 = 130 \\ \times 2 = 52 \end{array}$$

Answers and working out

Countdown 5

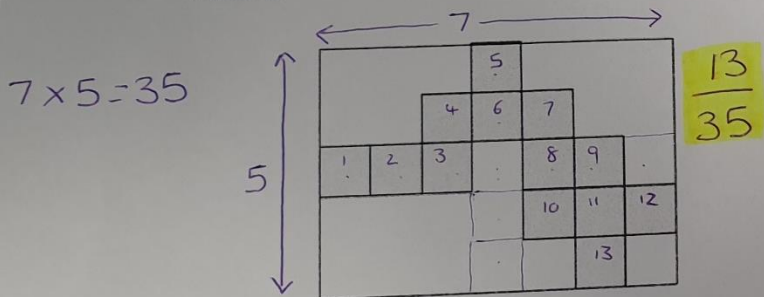
- 542.4 divided by 4 = 135.6
- 517 x 26 = 13442
- Divide 215 by 26 = 8r7
- Place these in order largest to smallest

$\frac{9}{10}$ 0.5 30% 0.1 $\frac{60}{100}$
 \downarrow \downarrow \downarrow \downarrow \downarrow
 90% 50% 30% 10% 60%

5. 2314 x 4 = 9,256

$$5) \begin{array}{r} 2314 \\ \times 4 \\ \hline 9256 \end{array}$$

6. Here is a rectangle with 13 identical shaded squares inside it.



What fraction of the rectangle is shaded?

- Convert 6.5m into cm = 650cm
- Convert 56m 2cm into m = 56.02m

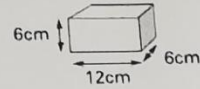
$\xrightarrow{\times 100}$
 1m = 100cm
 6.5m = 650cm
 $\xrightarrow{\times 100}$

$\xrightarrow{\div 100}$
 1m = 100cm
 0.02m = 2cm
 $\xrightarrow{\div 100}$

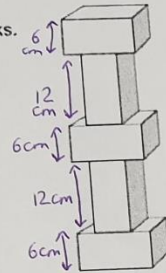
$\begin{array}{r} 6 \overline{) 65} \\ \underline{60} \\ 50 \\ \underline{50} \\ 0 \end{array}$

$\begin{array}{r} 2 \overline{) 21} \\ \underline{04} \\ 17 \\ \underline{16} \\ 10 \\ \underline{10} \\ 0 \end{array}$

- Martin has some bricks. They are 12cm long, 6cm high and 6cm deep.



He builds this tower with five bricks.



$6\text{cm} \times 3 = 18\text{cm}$
 $12\text{cm} \times 2 = 24\text{cm}$

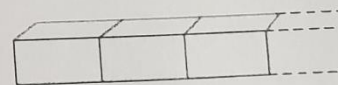
$$\begin{array}{r} 24 \\ + 18 \\ \hline 42 \end{array}$$

How tall is the tower?

42cm

- Each brick is 12cm long.

Martin makes a line of bricks 132cm long.



I know
 $12 \times 11 = 132$
 So
 $132 \div 12 = 11$

How many bricks does he use?

11 bricks

Extension

Make 675.5 using 25 7 8 2 4 + - x + squared cubed

How close can you get?