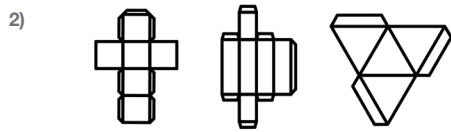


1) Bekijk de uitlegvideo op: ► 83-meetkunde

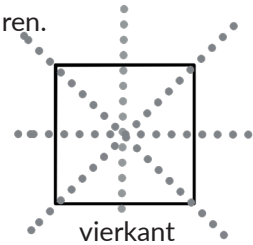
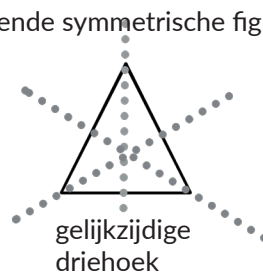
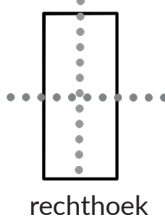
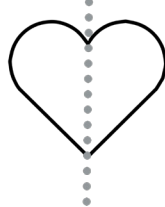


Download de bouwplaten van een kubus, een balk en een piramide en zet ze in elkaar (ga hiervoor naar de website via de QR-code hierboven).

3)

				symmetrie
kubus	balk	piramide	cilinder	
horizontaal	vertikaal	diagonaal	1cm x 1cm x 1cm	1 dm ³
			kubieke centimeter	1 liter

4) Teken zoveel mogelijk spiegellijnen in de volgende symmetrische figuren.



5) Zet om in breukgetallen

$$3,25 = 3\frac{1}{4}$$

$$4,5 = 4\frac{1}{2}$$

$$3,2 = 3\frac{1}{5}$$

$$0,375 = \frac{3}{8}$$

$$0,333... = \frac{1}{3}$$

$$0,625 = \frac{5}{8}$$

$$0,333 \approx \frac{1}{3}$$

$$0,222... = \frac{2}{9}$$

$$17,013 = 17\frac{13}{1000}$$

$$0,0003 = \frac{3}{10000}$$

Zet om in kommagetallen

$$3\frac{1}{2} = 3,5$$

$$5\frac{2}{3} = 5,666...$$

$$14\frac{3}{8} = 14,375$$

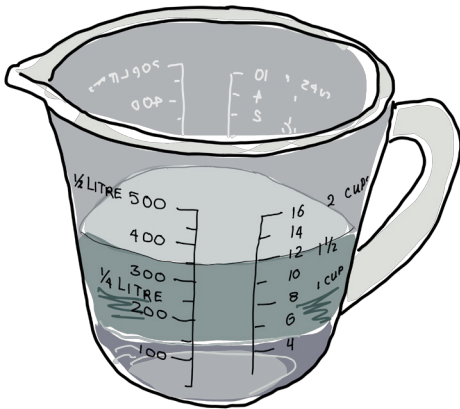
$$1\frac{5}{7} \approx 1,714$$

$$2\frac{3}{4} = 2,75$$

kladpapier

$$\begin{array}{r} 7 \overline{) 50} \ 0,714 \\ \underline{49} \\ 10 \\ \underline{7} \\ 30 \\ \underline{28} \\ 2 \end{array} \approx 0,714$$

1)



Je ziet hier een maatbeker van een halve liter. De beker is in Frankrijk gemaakt. Het woord "liter" is in het Frans "litre".

a) Wat betekent de 500 op het glas?

..... 500 mL

Hoeveel is dat? Wat stel je je erbij voor?

..... een half pakje melk

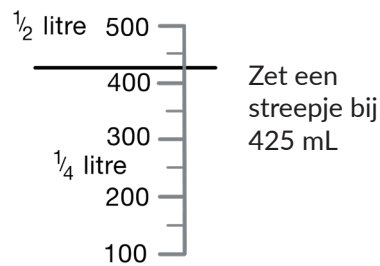
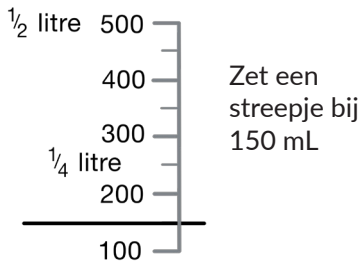
b) Wat betekent 1/4 LITRE?

..... 250 mL

c) Hoeveel water zit er in het maatglas?

..... 350 mL

2)



3) $2\frac{1}{3} + 2\frac{1}{3} = 4\frac{2}{3}$

$2\frac{1}{3} \times 2\frac{1}{3} = \frac{7}{3} \times \frac{7}{3} = \frac{49}{9} = 5\frac{4}{9}$

$4\frac{1}{12} + 4\frac{1}{12} = 8\frac{2}{12} = 8\frac{1}{6}$

$\frac{5}{6} : 4\frac{1}{12} = \frac{5}{6} : \frac{49}{12} = \frac{5}{6} \times \frac{12}{49} = \frac{10}{49}$

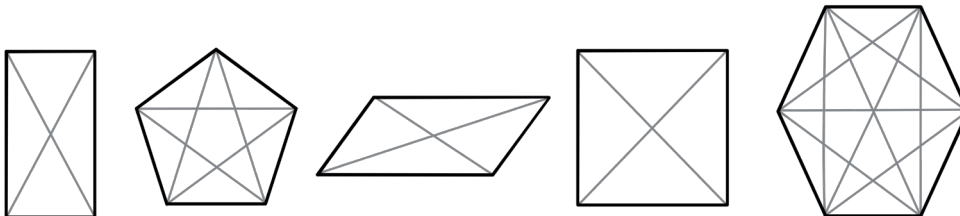
$\frac{5}{6} + 4\frac{1}{12} = \frac{10}{12} + 4\frac{1}{12} = 4\frac{11}{12}$

$5 \times \frac{2}{3} = \frac{10}{3} = 3\frac{1}{3}$

$\frac{5}{6} + 4\frac{3}{8} = \frac{20}{24} + 4\frac{9}{24} = 4\frac{29}{24} = 5\frac{5}{24}$

$\frac{2}{3} : 5 = \frac{2}{3} \times \frac{1}{5} = \frac{2}{15}$

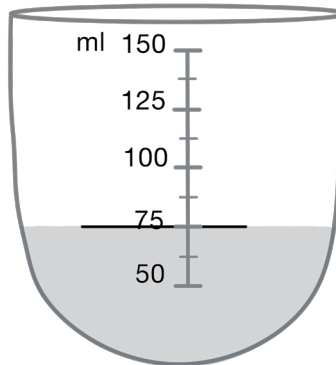
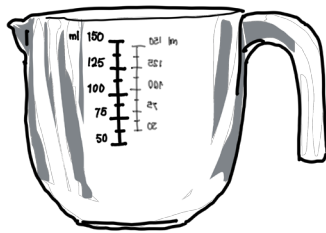
4) Teken zoveel mogelijk diagonalen in onderstaande figuren. Een diagonaal loopt van hoekpunt naar hoekpunt en kan alle richtingen hebben.



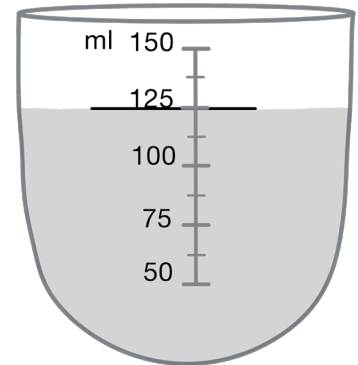
$$1) \quad 235 \times 23 = 5405 \qquad 364 \times 17 = 6188 \qquad 111 \times 88 = 9768$$

			2	3	5														
				2	3														

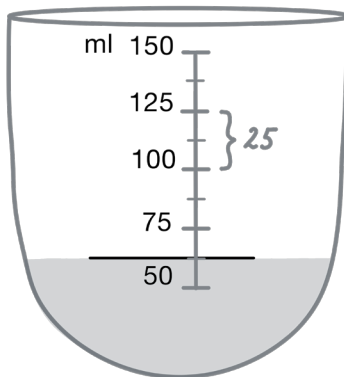
2) Geef steeds de inhoud van het maatbekertje.



.....75 mL.....



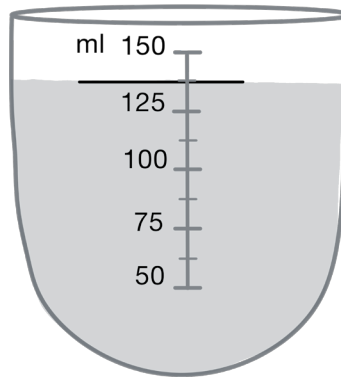
.....125 mL.....



.....62,5.....

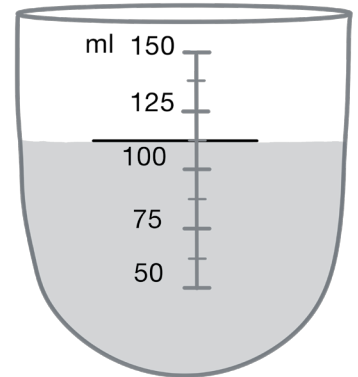
$$25 : 2 = 12,5$$

$$50 + 12,5 = 62,5$$



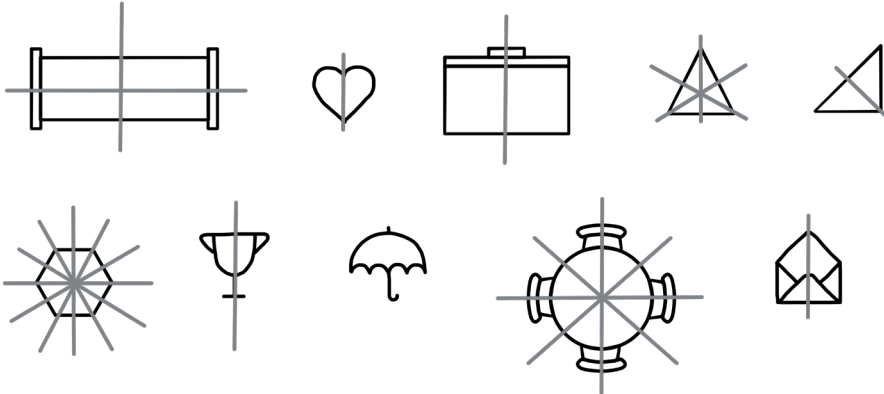
.....137,5.....

$$125 + 12,5 = 137,5$$

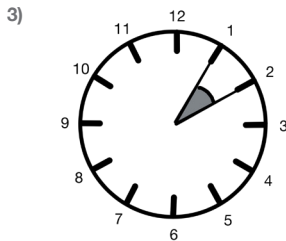


.....112,5 mL.....

- 1) Teken zoveel mogelijk spiegellijnen in onderstaande figuren.
Niet alle figuren hebben een spiegellijn.

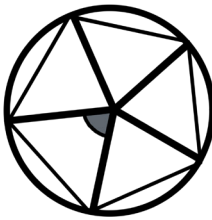


2) $\sqrt{9} = 3$ $\sqrt{25} = 5$ $10^5 = 100000$ $\sqrt{49} = 7$
 $2^3 = 8$ $\sqrt{100} = 10$ $6^2 = 36$ $\sqrt{1000000} = 1000$



- a) Je ziet hier een klok zonder wijzers.
Hoe groot is de getekende hoek?

$360 : 12 = 30$
30 graden



- b) De cirkel hiernaast is in precies vijf
gelijke stukken verdeeld.

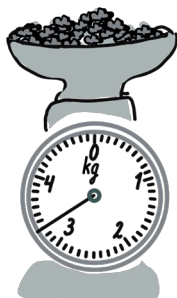
$360 : 5 = 72$
72 graden

- 1) Hoe groot is de getekende hoek?
 2) Teken een regelmatige vijfhoek in
de figuur (een "pentagon").

$$\begin{array}{r} 5 \overline{) 360} \setminus 72 \\ \underline{35} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

4) $834,7 \text{ hm} = \dots 8347 \dots \text{ km}$ $5600 \text{ mm} = \dots 5,6 \dots \text{ m}$
 $834,7 \text{ hm}^2 = \dots 8347 \dots \text{ km}^2$ $5600 \text{ mL} = \dots 5,6 \dots \text{ L}$
 $834,7 \text{ hm}^3 = \dots 0,8347 \dots \text{ km}^3$ $5600 \text{ dm}^3 = \dots 5600 \dots \text{ L}$

1)



Hoeveel gram walnoten liggen er op de weegschaal?

- A 3,3 gram C 3500 gram
 B 330 gram **D 3300 gram**

$$3,3 \text{ kg} = 3300 \text{ gram}$$

2) Zet om in breukgetallen

$$0,25 = \frac{1}{4} \qquad 4,3 = 4\frac{3}{10}$$

$$3,7 = 3\frac{7}{10} \qquad 0,125 = \frac{1}{8}$$

$$3,2 = 3\frac{1}{5} \qquad 0,375 = \frac{3}{8}$$

$$0,555\dots = \frac{5}{9} \qquad 0,625 = \frac{5}{8}$$

$$0,5 = \frac{1}{2} \qquad 0,0033 = \frac{33}{10000}$$

Zet om in kommagetallen

$$3\frac{1}{8} = 3,125$$

$$5\frac{1}{3} = 5,333\dots$$

$$\frac{3}{8} = 0,375$$

$$1\frac{5}{6} = 1,8333\dots$$

$$\frac{3}{4} = 0,75$$

$$\begin{array}{r} 6 \overline{) 50} \setminus 0,83 \\ \underline{20} \\ 18 \\ \underline{20} \\ 18 \end{array}$$

3) $56,3 + 2,96 = 59,26$

$$\begin{array}{r} \textcircled{1} \\ 56,3 \\ + 2,96 \\ \hline 59,26 \end{array}$$

$48873 + 5682 + 89,78 = 54644,78$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{2} \textcircled{1} \\ 48873 \\ + 5682 \\ + 89,78 \\ \hline 54644,78 \end{array}$$

4) $4,5 \text{ ons} = \dots 450 \dots \text{ g}$

$0,06 \text{ ons} = \dots 6 \dots \text{ g}$

$1 \text{ kg} = \dots 10 \dots \text{ ons}$

$0,06 \text{ g} = \dots 60 \dots \text{ mg}$

$30 \text{ hm}^2 = \dots 0,3 \dots \text{ km}^2$

$30 \text{ hm} = \dots 3 \dots \text{ km}$

$2000 \text{ mm}^3 = \dots 2 \dots \text{ cm}^3$

$2000 \text{ mm}^2 = \dots 20 \dots \text{ cm}^2$