Mentals
5:31

Equivalent fractions are the same size, eg $\frac{1}{3}$ and $\frac{2}{6}$.

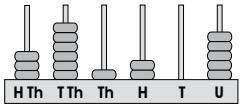
1

57 + 9		70 – 15	
20 – 6		40 + 17	
17 – 5		23 – 12	
16 + 6		21 + 30	

2 198 789, 329 780, 99 899

Write the numbers in ascending order.

3 Write the number represented then:



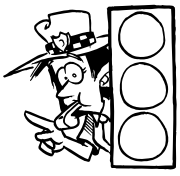
add 1

add 100

add 1000

4 \$436K = \$

\$23K = \$



5 True (T) or false (F)?

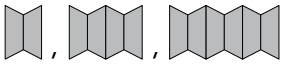
The diameter of a circle:

- is twice the radius.
- cuts the circle in half.
- is half the length of the circumference.

6

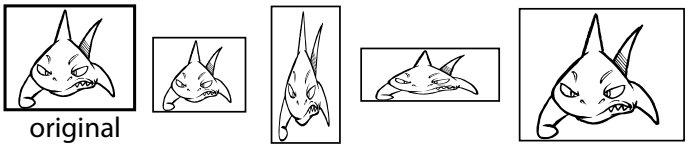
6 × 100		100 × 7	
70 ÷ 10		800 ÷ 8	
600 ÷ 10		9 × 100	
4 × 10		30 ÷ 3	

7 Draw the next term and complete the table.



Number of shapes	2	4	6	8	10	12
Number of sides	7					

8 Circle the enlargements and reductions of the original cartoon.



9 1 cm^3 displaces 1 mL of water.

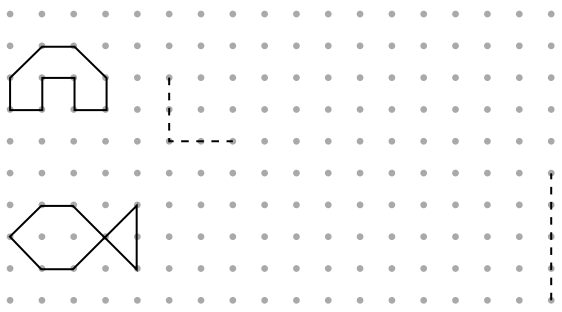
_____ cm^3 displaces 10 mL.

_____ cm^3 displaces 1 L.

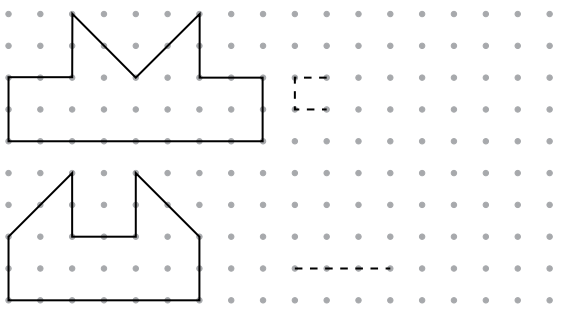
10 Circle the two equivalent fractions.

$\frac{1}{4}$ $\frac{4}{10}$ $\frac{2}{8}$

2D Space



twice as long



half as long

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$75\% = 0{\cdot}75 = \frac{75}{100} = \frac{3}{4}$

11

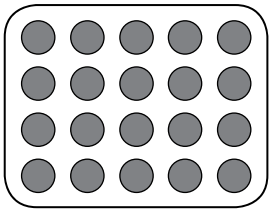
$5 \overline{)\ 5{\cdot}05}$ (.)

$6 \overline{)\ 675}$ (r)

$\overline{)\ 432}$ ( )

$4 \overline{)\ \$9.36}$ ( )

12



50% of 20 ☐

25% of 20 ☐

75% of 20 ☐

10% of 20 ☐

13

A B C D

Scale: 1 cm = 50 km

How many kilometres is:

B from A? ☐ C from B? ☐

D from C? ☐ D from A? ☐

Extension

Date: ☐☐ . ☐☐ . ☐☐☐☐

14 Write the Roman numeral for:

this year ☐

your age ☐

your birth year ☐

1042 ☐

15 Write '1 minute before midnight' in 24-hour time. ☐ :

16 2^2 means 2 squared or 2×2.

$2^3 = 2 \times 2 \times 2 = 8$

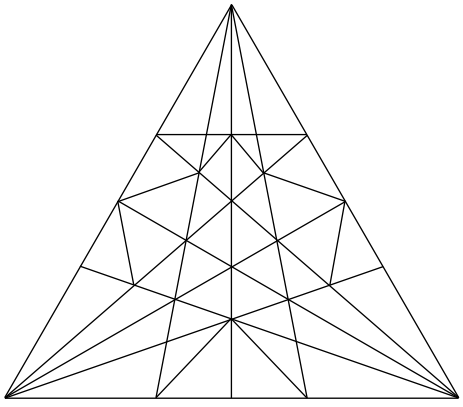
Write 2^5 in the longer form and find the answer.

☐

17 What number multiplied by itself, is equal to the sum of 3^2 and 4^2? ☐

Fun and Games

Triangles, triangles everywhere



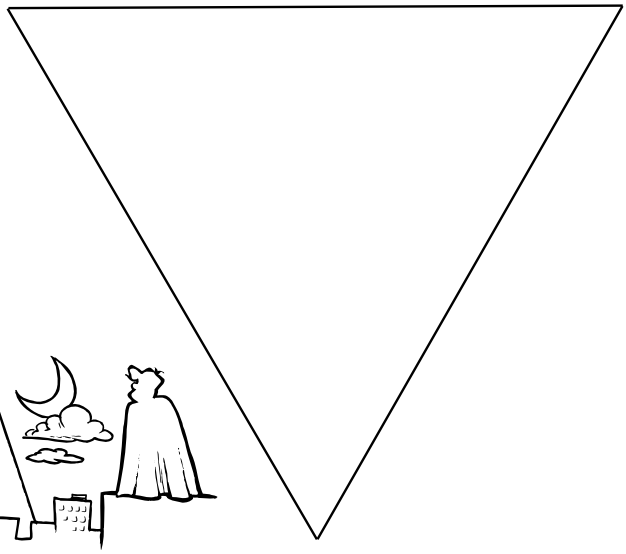
Colour the:

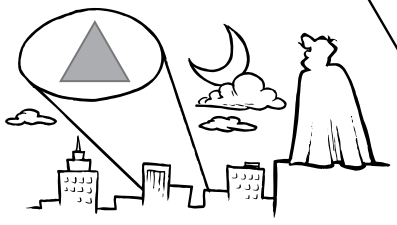
equilateral triangles, red

scalene triangles, yellow

isosceles triangles, green.

In this triangle draw more triangles making your own pattern.





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