

Name: Date: 

### Numbers and place value to 1000

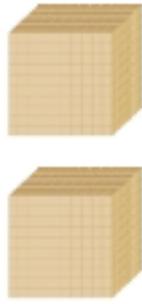
What number is represented by the blocks?

thousands

hundreds

tens

ones




Look at each four digit number.

What's the value of each highlighted digit?

2 8 **9** 6

\_\_\_\_\_

5 3 4 **7**

\_\_\_\_\_

8 **7** 3 9

\_\_\_\_\_

**6** 2 0 4

\_\_\_\_\_

### Expanded notation

The four digit number is expanded as shown.

What's the value of the missing number?

3 6 7 7

**3000**

+

**600**

+

+

**7**

9 4 5 6

**9000**

+

+

**50**

+

**6**

4 5 2 5

+

**500**

+

**20**

+

**5**

### Odd and even numbers

Circle all the even numbers

4785

3883

2000

9672

7741

8004

9999

1056

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**Adding lots of 10**

1)  $30 + 40 = \underline{\quad}$       2)  $50 + 20 = \underline{\quad}$

**Two digit addition**

1)  $25 + 42 = \underline{\quad}$       2)  $57 + 41 = \underline{\quad}$

3)  $47 + 38 = \underline{\quad}$       4)  $68 + 75 = \underline{\quad}$

**Working out (if needed)****Subtract 10**

1)  $38 - 10 = \underline{\quad}$       2)  $74 - 10 = \underline{\quad}$

**Subtract lots of 10**

1)  $67 - 30 = \underline{\quad}$       2)  $78 - 50 = \underline{\quad}$

**Subtract from 100**

1)  $100 - 32 = \underline{\quad}$       2)  $100 - 49 = \underline{\quad}$

**Patterns of 3 and 4****Look at the pattern then write the missing number .****Multiplication facts for 3 and 4**

$2 \times 3 = \underline{\quad}$        $6 \times 3 = \underline{\quad}$        $8 \times 3 = \underline{\quad}$

$3 \times 4 = \underline{\quad}$        $5 \times 4 = \underline{\quad}$        $7 \times 4 = \underline{\quad}$

**Division of 3 and 4**

$9 \div 3 = \underline{\quad}$        $21 \div 3 = \underline{\quad}$        $27 \div 3 = \underline{\quad}$

$12 \div 4 = \underline{\quad}$        $20 \div 4 = \underline{\quad}$        $32 \div 4 = \underline{\quad}$

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**Representing fractions**

1) Four oranges are cut into halves.

How many halves will there be? \_\_\_\_\_



2) Kim has 4 pies. She cuts each pie into quarters.

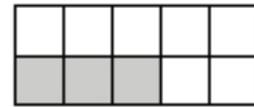
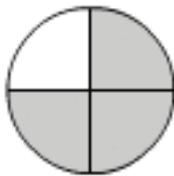
How many quarters will there be? \_\_\_\_\_

3) Three pieces of wood are cut into thirds.

How many thirds will there be? \_\_\_\_\_

**Represent fractions using sectioned areas**

Which fraction is represented by each shaded area?



a)  $\frac{1}{2}$       b)  $\frac{1}{4}$

a)  $\frac{1}{4}$       b)  $\frac{2}{5}$

c)  $\frac{2}{4}$       d)  $\frac{3}{4}$

c)  $\frac{3}{10}$       d)  $\frac{8}{10}$

**Fractions on a number line**

Which fraction is represented by the dot on each number line?



a)  $\frac{1}{4}$       b)  $\frac{1}{2}$       c)  $\frac{3}{4}$



a)  $2\frac{1}{2}$       b)  $3\frac{1}{4}$       c)  $2\frac{3}{4}$

**Identify rules of patterns**

Which rule applies to this number pattern?

3, 6, 12, 24, 48, 96

a) Numbers increasing by 6

b) Increasing by 20

c) Numbers are doubling

d) Numbers are tripling

**Continue number patterns resulting from addition or**

Write the next number in each pattern.

5, 15, 25, 35, 45, 55, \_\_\_\_\_

120, 100, 80, 60, 40, \_\_\_\_\_

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Interpret data using  
picture graphs

The graph shows the  
number of goals  
scored in the first six  
games.



- 1) How many goals were scored in game 3? \_\_\_\_\_
- 2) How many more goals were scored in game 5 than game 4? \_\_\_\_\_

Interpret data using simple  
tables

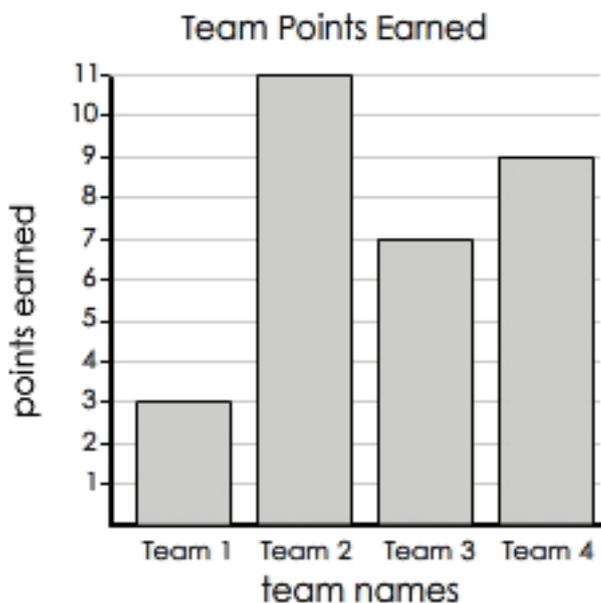
The table shows the number of  
animals on Joan's farm.

- 1) How many sheep on  
Joan's farm? \_\_\_\_\_

- 2) How many pigs and  
chickens on Joan's farm?  
\_\_\_\_\_

| Animals on Joan's Farm |        |
|------------------------|--------|
| Animals                | Number |
| sheep                  | 31     |
| horses                 | 8      |
| cows                   | 18     |
| pigs                   | 12     |
| chickens               | 24     |

Interpret data using simple  
column graphs

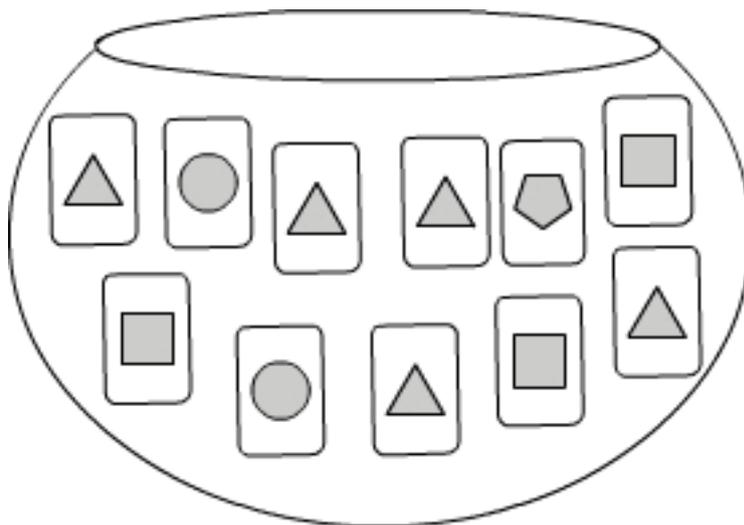


- 1) Which team scored 7 points? \_\_\_\_\_
- 2) How many points did team 1 score? \_\_\_\_\_

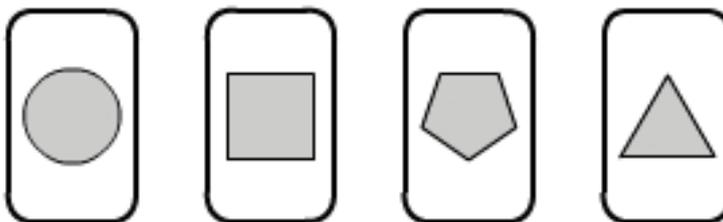
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Recognise variation in results of chance experiments



1) Kim takes 1 card from the bowl without looking. Which card has the best chance of Kim taking?



Tell time to the minute

Circle the watch that shows the same time as the clock?



1) What time is it 8 minutes after 11:57? \_\_\_\_\_

2) Write the time : a 'quarter past six'. \_\_\_\_\_

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Measure length in centimetres



1) What is the length of the pencil shown? \_\_\_\_\_

40 cm



2) The piece of string shown is cut into four equal pieces. How long is each piece? \_\_\_\_\_

Measure length in metres

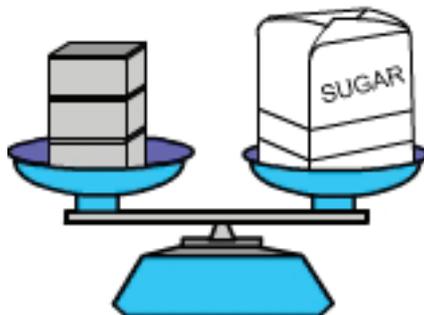
The boy in the picture is about 1 m tall.

About how tall is the tree?

- a) 2 m
- b) 4 m
- c) 6 m
- d) 8 m



Measure mass in grams and kilograms



1) What is the mass of the bag of sugar? \_\_\_\_\_

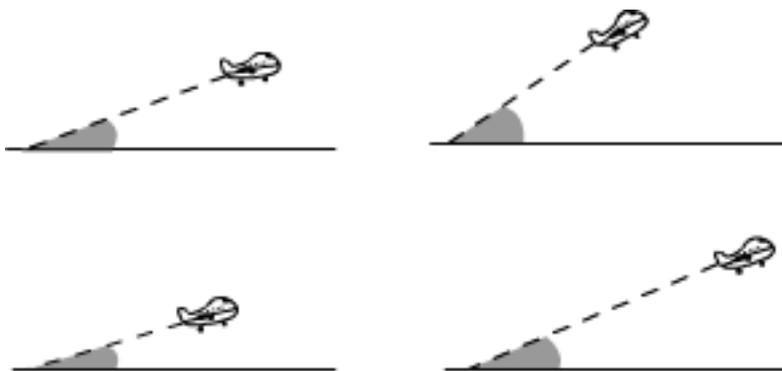
2) How many bags of sugar are needed to balance with nine 1 kg blocks? \_\_\_\_\_

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Compare angle sizes in everyday situations

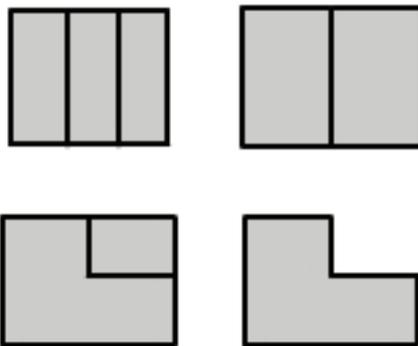
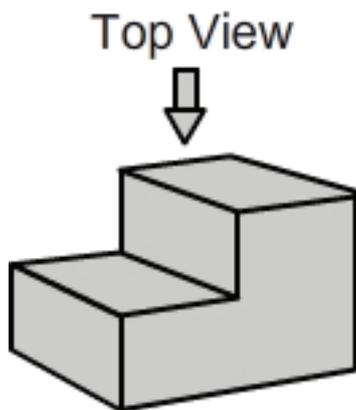
1) Circle the plane that is taking off at the greatest angle?



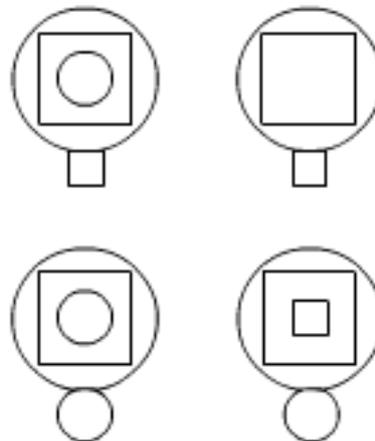
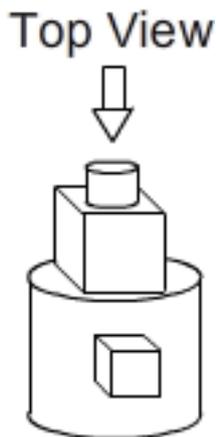
Identifying perspective with three dimensional

This is a 3D solid object.

Which is the top view?

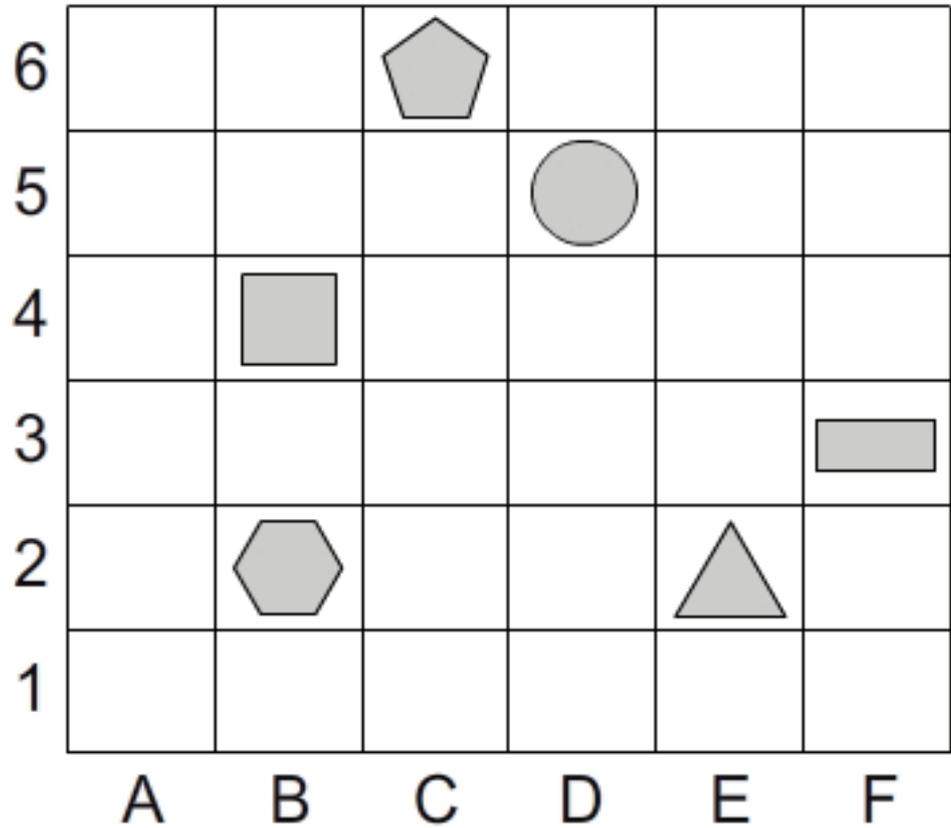


Rob built a model using 3D objects. Which is the top view?



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**Interpret simple grid maps**

- 1) Draw the shape located at D5.
- 2) Name the shape located at F3: \_\_\_\_\_
- 3) Write the coordinates for the square: \_\_\_\_\_
- 4) Write the coordinates for the triangle: \_\_\_\_\_

**Identify symmetry in the environment**

**There are three patterns shown.  
Circle the symmetrical pattern?**

