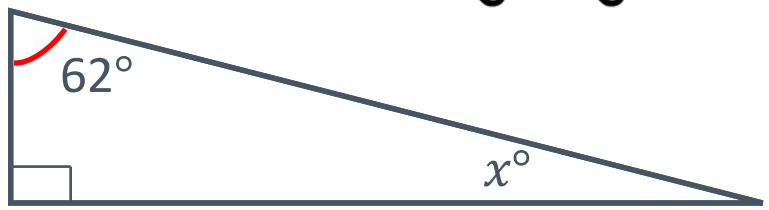
THURSDAY 16/7/20

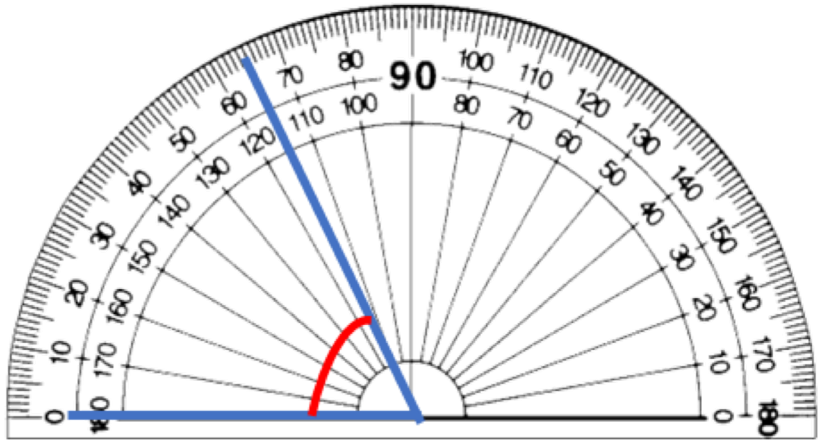
ALGEBRA

Flashback 4 Year 6

1) Work out the missing angle.



2) Read the angle shown on the protractor.



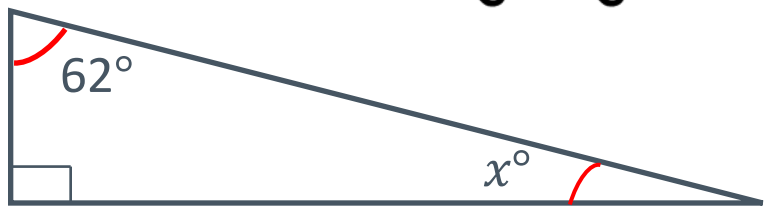
3) Find the missing number.

$$+ 0.921 = 1$$

4) Multiply 26×37

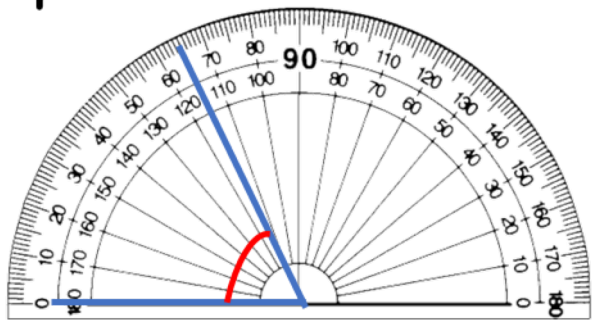
Flashback 4 Year 6

1) Work out the missing angle.



28°

2) Read the angle shown on the protractor.



65°

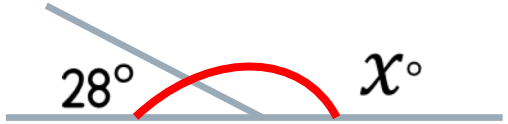
3) Find the missing number.

$\square + 0.921 = 1$ 0.079

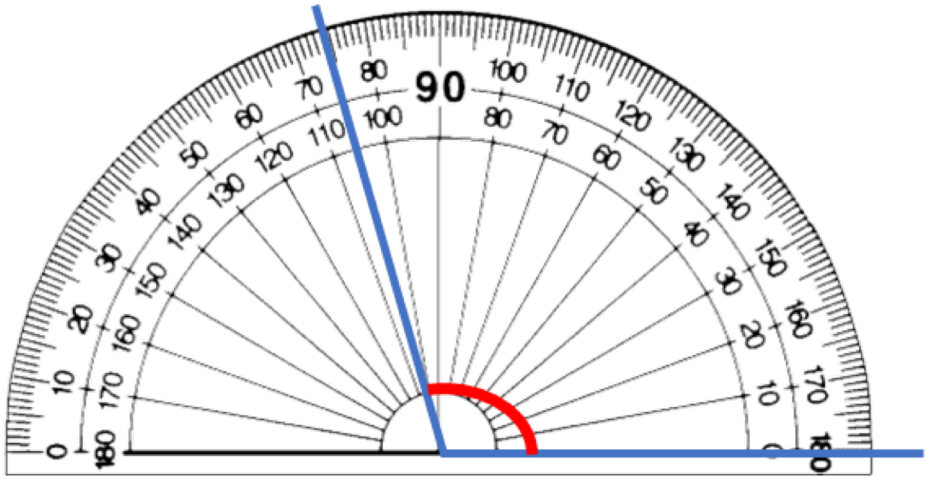
4) Multiply 26×37 962

Flashback 4 Year 6

1) Work out the value of x.



2) Read the angle shown on the protractor.



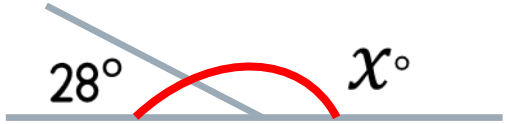
3) Add 7.046 to 8.9

4) Add $2\frac{1}{4}$ to $3\frac{3}{8}$

Flashback 4

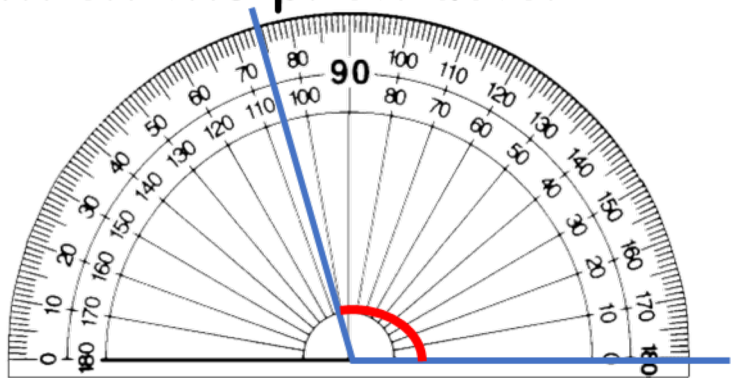
Year 6

1) Work out the value of x.



152

2) Read the angle shown on the protractor.



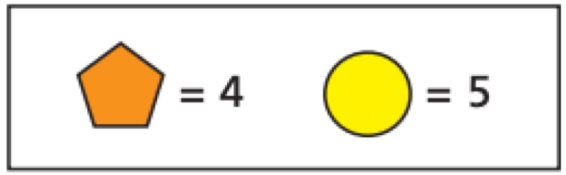
105°

3) Add 7.046 to 8.9

15.946

4) Add $2\frac{1}{4}$ to $3\frac{3}{8}$

$5\frac{5}{8}$

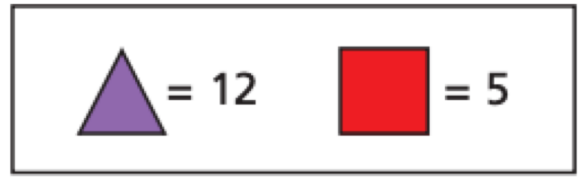


Use the given facts to work out the calculations.

a) 

b) 

c) 



Use the given facts to work out the calculations.

a) 

b) 

Algebra is where you use letters to represent numbers

Alex has some sweets, we do not know how many sweets Alex has....

so we can say 'Alex has x sweets'

If Alex is given 5 more sweets, how many sweets has he got?

x + 5

Bill catches y fish.

Ben takes 3 away from him.

How many fish does Bill now have?

$y - 3$

What is a?

$$2a = 12$$

When two terms in algebra are being multiplied together, they are simply written next to each other.

e.g. 2a means 2 x a

and efg means e x f x g

Using a Formula

If a=4 b=5 c=6 d=7

Calculate the answers to these:

a) $a + b + c =$ 15

b) $2c + d =$ 19

c) $3a + 2b =$ 22

d) $a^2 - c =$ 10

e) $d + b^2 =$ 32

f) $3c + c^2 =$ 54

g) $d^2 - c^2 =$ 13

h) $a^3 - a^2 =$ 48

i) $a^2 + b^2 + c^2 + d^2 =$ 126

j) $b^3 + a^3 - d^2 - c =$ 134

Hide Answers

Algebra Questions (On class webpage)

Algebra 16/7/20

a) Calculate the value of the letter in each equation:

$3a = 12$	$a =$
$30 = 5b$	$b =$
$8c = 72$	$c =$
$48 = 12d$	$d =$

b) Calculate the value of the letter in each equation:

$20 = 4h + 4$	$h =$
$3i + 5 = 11$	$i =$
$14 = 6j - 4$	$j =$
$2k - 5 = 5$	$k =$

c) In these equations, **a** is worth 7. Calculate the value of each shap

△ = 3a	△ =
4 + a = ⬠	⬠ =
◇ = 10 - a	◇ =
a + a = □	□ =

Alex is y years old.

Her friend Brett is 3 years older.

The total of their ages is 25

How old are Alex and Brett?

Expression is $2y + 3 = 25$

$25 - 3 = 22$

$22 \div 2 = 11$ (Alex's age)

$11 + 3 = 14$ (Brett's age)

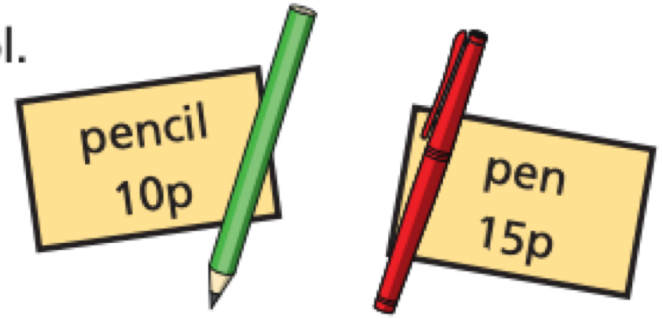
Alex is 11

Brett is 14

Aisha is buying some stationery for school.

She spends exactly £1

List the possible combinations of pencils and pens that Aisha could have bought.



10 pencils

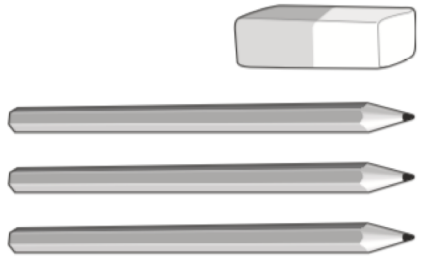
6 pens & 1 pencil

2 pens & 7 pencils

4 pens & 4 pencils

6 pencils cost **£1.68**

3 pencils and 1 rubber cost **£1.09**



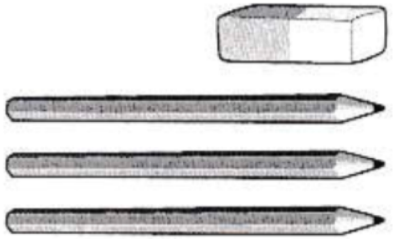
What is the cost of **1 rubber**?

6 pencils cost **£1.68**

1ST

PENCIL IS $\frac{168}{6} = 28p$

3 pencils and 1 rubber cost **£1.09**



What is the cost of **1 rubber**?

3 PENCILS

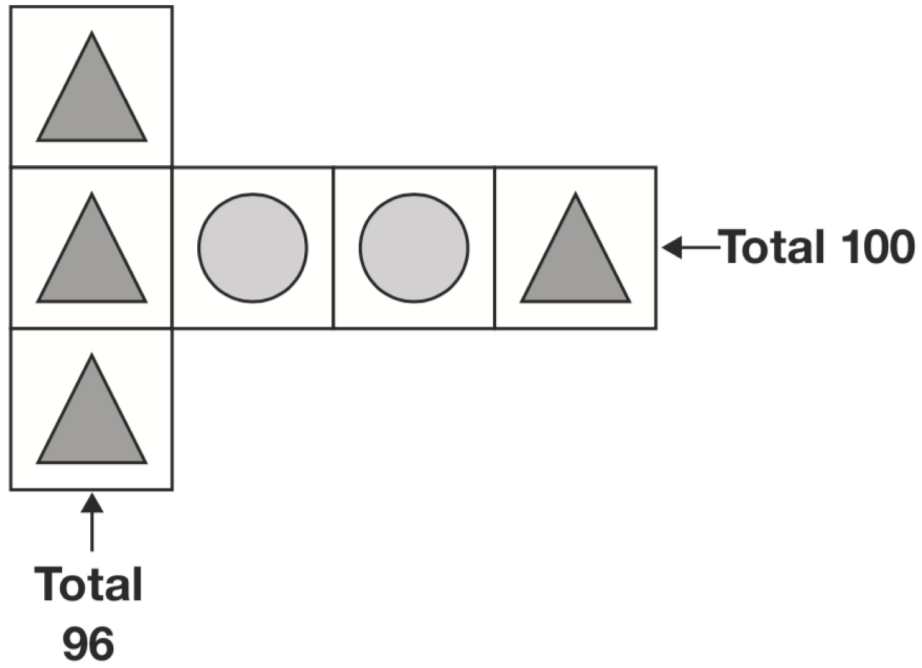
$3 \times 28 = 84$

∴ RUBBER

$109 - 84 = 25$

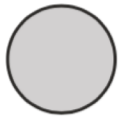
25p

Each shape stands for a number.

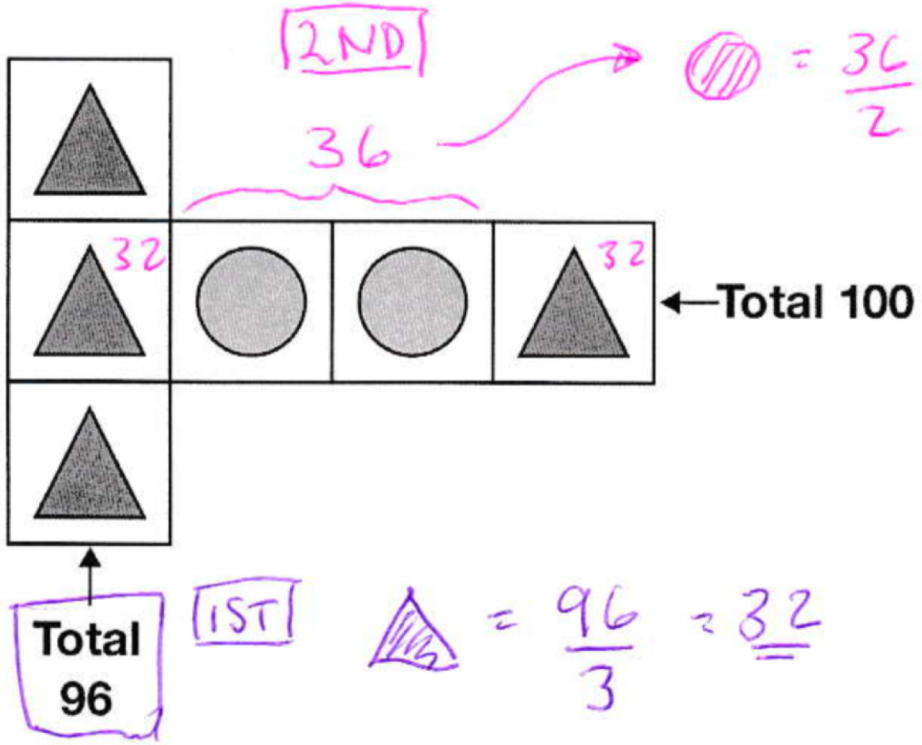


Work out the **value** of each shape.

 = _____

 = _____

Each shape stands for a number.



Work out the **value** of each shape.

 = 32

 = 18