

Fourth Edition

Advanced primary maths

3

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SAMPLE



OXFORD

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1 Write the number represented by the Base 10 blocks.

a _____ d _____

b _____ e _____

c _____ f _____

2 Complete the number expanders.

a 374 d 700
 b 563 e 802
 c 797 f 27

3 Write the numbers which come before and after the one given.

a _____ 27 _____ f _____ 389 _____

b _____ 36 _____ g _____ 441 _____

c _____ 147 _____ h _____ 880 _____

d _____ 250 _____ i _____ 756 _____

e _____ 365 _____ j _____ 259 _____

4 Order the following numbers from smallest to largest.

- a 256, 307, 291, 356
 b 999, 807, 364, 279
 c 259, 952, 29, 305
 d 742, 247, 472, 74
 e 507, 607, 705, 605





5 Complete the grid to discover the number facts and patterns of 20.

	+											
a		2	3									
b			4									
c												
d												
e						10						
f												
g												
h												
i												
j												

6 Circle one pattern you see in the grid above.

7 Complete the additions below and record your answers.

a plus equals

c plus equals

b plus equals

d plus equals

SUPER QUESTION

8 There are 222 sheep in one paddock and 245 sheep in another. Add the Base 10 materials to find the total number of sheep in both paddocks.

plus equals





- 9** Solve the Magic Squares so that they add up to the same number vertically, horizontally and diagonally.

a

3		1
2	4	6
	0	

b

4		2
8	1	6

c

		3
4	6	8

- 10** Solve the problems.

a	Zac had \$8, Emma had \$3 and Max had \$10. How much did they have altogether?		c	Alex reads 4 books a week. How many books will he read in 4 weeks?	
b	Jake had 16 marbles, but Bella had 8 more than him. How many marbles did Bella have?		d	Mia has \$8, but wants to buy a book worth \$19. How much more money does she need?	

WEEKLY TESTER

- 11** Every time Soula enters the swimming pool for training she pays a \$2 entry fee plus \$1 for the coach.

a	How much would Soula spend in a week if she trained every day?	
b	How much would she spend in a February of exactly 4 weeks?	



OPEN-ENDED CHALLENGER

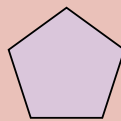
- 12** Mr North, the Year 3 teacher, wrote this sum on the board. He asked the class to supply all the possible additions for it. Write your answers below.

$$\begin{array}{r}
 \square \\
 + \square \\
 \hline
 14
 \end{array}$$

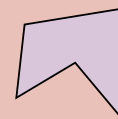
- 13** How do you know you found all the possible addition combinations?



Penta means five. A pentagon is a shape with 5 sides. A regular pentagon has all its sides equal in length and all its angles equal.

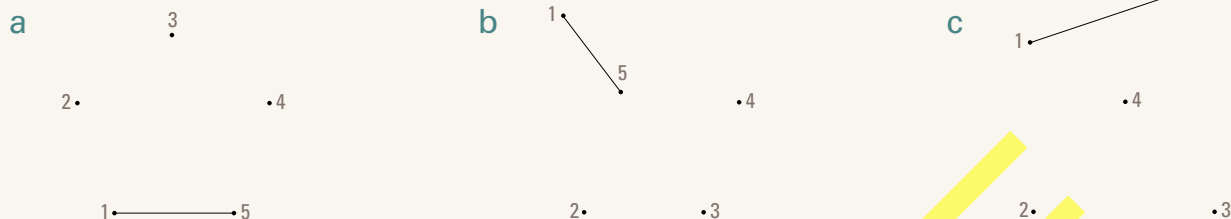


Regular pentagon



Irregular pentagon

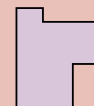
14 Join the dots to form the pentagons.



Octa means eight. An octagon is a shape with 8 sides. A regular octagon has all its sides equal in length and all its angles equal.

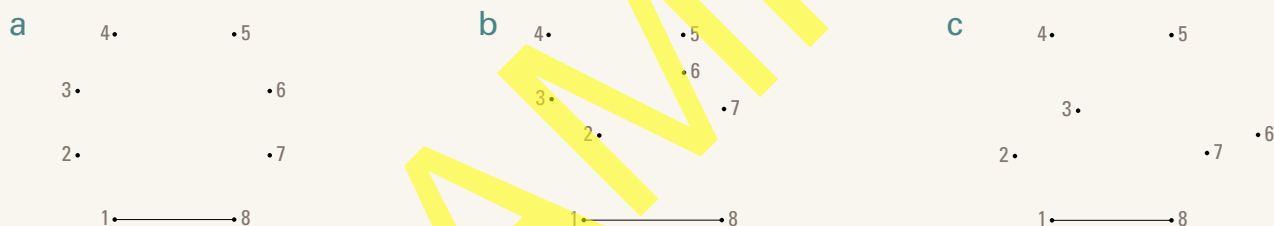


Regular octagon



Irregular octagon

15 Join the dots to form the octagons.



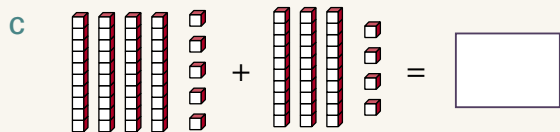
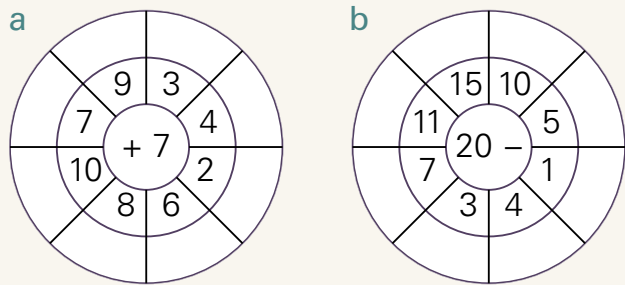
16 Carefully count, then record, the number of sides and angles on each shape. Write the name of each shape on the shape.

	Shape	Sides	Angles
a			
b			
c			

	Shape	Sides	Angles
d			
e			
f			



PART 1



d

Tens	Ones
3	4
5	3

e

Tens	Ones
2	6
4	7

f

Tens	Ones
3	5
4	7

g

Tens	Ones
5	6
2	3

h

Tens	Ones
7	8
2	5

i

Tens	Ones
3	9
1	5

PART 2

- a $6 \times 2 =$ _____ g $4 \times 5 =$ _____
- b $5 \times 2 =$ _____ h $8 \times 5 =$ _____
- c $7 \times 2 =$ _____ i $9 \times 5 =$ _____
- d $4 \times 2 =$ _____ j $6 \times 10 =$ _____
- e $9 \times 2 =$ _____ k $7 \times 10 =$ _____
- f $8 \times 2 =$ _____ l $5 \times 10 =$ _____

m

\times	1	4	2	5	3	8	9
4							

- n Divide 20 among 4. _____
- o Divide 30 among 5. _____

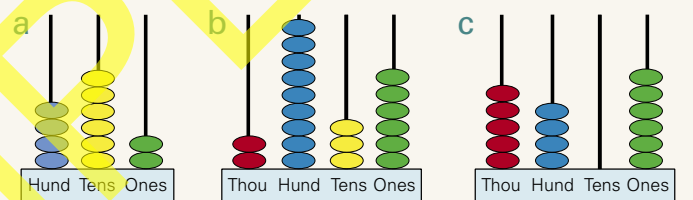
PART 3

Shade the fractions.

- a $\frac{1}{2}$ b $\frac{1}{5}$
- c $\frac{1}{4}$ d $\frac{1}{8}$
- e Which is larger, $\frac{1}{2}$ or $\frac{1}{4}$? _____
- f Which is larger, $\frac{1}{4}$ or $\frac{1}{8}$? _____
- g Is $\frac{1}{2}$ equal to $\frac{4}{8}$? _____

PART 4

What number is represented on the abacuses?



Write the numbers for:

- d twenty-seven. _____
- e one hundred and twenty-six. _____
- f seven hundred and seven. _____
- g Write the largest number you can using the digits 4, 7 and 9. _____
- h Shade the odd numbers.

86	27	131	138
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PART 5

There are 28 children in class 3T. If there are 4 more boys than girls, how many girls are there?

girls



PART 6

Draw an example of each.

- a perpendicular lines b parallel lines



PART 7

Draw the cross-section of this object.



PART 8

Name these shapes.

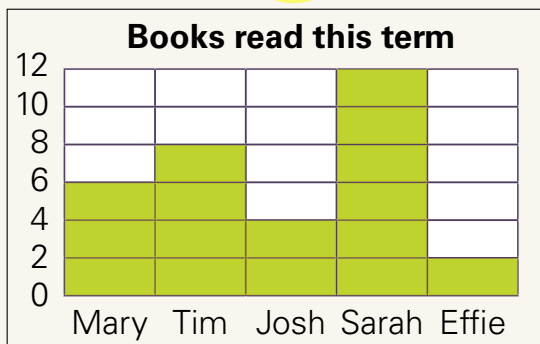


PART 9

Shade the word box that best describes the chance of a coin landing heads.

certain	even chance
no way	unlikely

PART 10



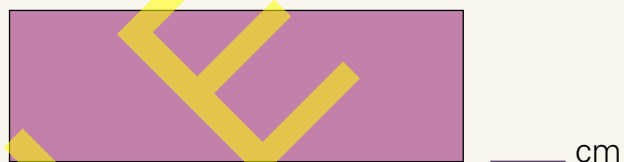
- a Who read the most books? _____
 b Who read 4 books? _____
 c Who read only 2 books? _____

PART 11

Measure each line.

- a _____ cm
 b _____ cm
 c _____ cm
 d _____ cm
 e _____ cm

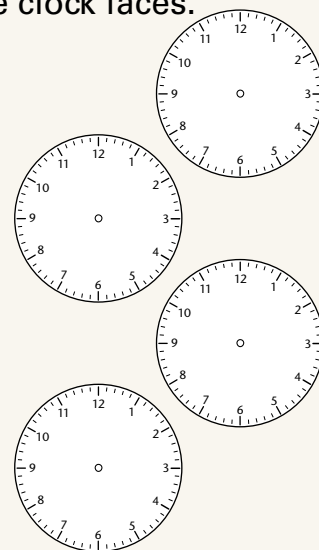
- f Measure the perimeter of the rectangle in centimetres.



PART 12

Draw the times on the clock faces.

- a A quarter past 6
 b Half past 12
 c A quarter to 3
 d 25 past 9



PART 13

Draw a shape that has an area of 8 square centimetres.

